

Technical Appendix 2

Hydrologic Modeling Analysis

TABLE OF CONTENTS

Appendix 2	2-1
Hydrologic Modeling Analysis	2-1
INTRODUCTION	2-1
MODELING APPROACH	2-1
RiverWare	2-1
RiverWare Model of the San Juan River	2-2
Configuration for Project Analysis	2-6
Configuration for Refined Alternative 4	2-11
Configuration for Refined Alternative 6	2-16
IMPACT ANALYSIS RESULTS	2-19
Future without Project Analysis	2-19
Refined Alternative 4 Impact Analysis	2-19
Animas River Impacts from Refined Alternative 4	2-19
LaPlata River Impacts from Refined Alternative 4	2-21
Mancos River Impacts from Refined Alternative 4	2-26
San Juan River Impacts for Refined Alternative 4	2-26
Ridges Basin Reservoir Water Level Impacts from Operation of Refined Alternative 4	2-30
Navajo Reservoir Water Level Impact from Operation of the Refined Alternative 4	2-33
Impacts of the Non-Structural Components of Refined Alternative 4	2-33
Refined Alternative 6 Impact Analysis	2-33
Pine River Impacts from Refined Alternative 6	2-33
Florida River Impacts from Refined Alternative 6	2-36
Animas River Impacts from Refined Alternative 6	2-36
LaPlata River Impacts from Refined Alternative 6	2-38
San Juan River Impacts from Refined Alternative 6	2-39
Mancos River Impacts from Refined Alternative 6	2-40
Navajo Reservoir Impacts from Refined Alternative 6	2-40
Dolores River Impacts from Refined Alternative 6	2-41
McElmo Creek Impacts from Refined Alternative 6	2-41
Impacts due to the Non-Structural Component of Refined Alternative 6 Necessary to Provide an Additional 13,000 afy of Depletion to the Ute Tribes	2-41
SUMMARY	2-41
References	2-44
MODEL OUTPUT	2-45

LIST OF TABLES

Table 2-1	Estimated Current Depletions in the San Juan Basin	2-7
Table 2-2	Summary of Future without Project (Baseline) Depletions in the San Juan Basin	2-9
Table 2-3	Diversion and Depletion Summary for Refined Alternative 4 with Non-Binding Uses as Described in Chapter 2 of the DSEIS	2-12
Table 2-4	Modeled Diversion and Depletion Summary for Refined Alternative 4 with All M&I Use at 50% Efficiency	2-13
Table 2-5	Modeled Diversion and Depletion Summary for Refined Alternative 6 M&I Use at 50% Efficiency	2-18
Table 2-6	Mean, Minimum and Maximum Monthly Average Flow of the Animas River at Three Locations with and without Refined Alternative 4	2-20
Table 2-7	Mean, Minimum and Maximum Monthly Average Flow of the LaPlata River at Two Locations with and without Refined Alternative 4	2-24
Table 2-8	Mean Monthly Flows for the San Juan River at Four Corners, NM (U.S.G.S. Gage) with Refined Alternative 4 and without (Baseline Condition) Project for the Modeled Period 1929-1993	2-27
Table 2-9	Summary of Flow Statistics for San Juan River at Four Corners, NM for Pre- and Post- dam Historic Flows, Current Development Level, ALP Baseline Conditions with and Without Indian Trust Lands and with Refined Alternative 4 with and without Indian Trust Water for Period 1929-1993	2-28
Table 2-10	Mean monthly average, maximum and minimum flow (cfs) in the Pine River for Refined Alternative 6 compared to the Future without Project, 1929-1993	2-36
Table 2-11	Mean, Minimum and Maximum Monthly Average Flow of the Animas River at Two Locations for Refined Alternative 6 compared to no Project	2-37
Table 2-12	Mean, Minimum and Maximum Monthly Average Flow of the LaPlata River at Farmington for Refined Alternative 6 compared to no Project	2-39
Table 2-13	Mean, Minimum and Maximum Monthly Average Flow of the San Juan River at Four Corners, NM for Refined Alternative 6 compared to Future without Project Conditions	2-40
Table 2-14	Summary of changes in hydrology to rivers in the San Juan Basin from historic conditions due to future non-project development, and the additional depletions for implementation of Refined Alternative 4 and Refined Alternative 6	2-42
	Model Output - Future Condition without Project	2-46
	Model Output - Refined Alternative 4	2-68
	Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage	2-89

LIST OF FIGURES

Figure 2-1.	Schematic of the San Juan River Basin as Modeled	2-14
Figure 2-2.	Detail of Components of Refined alterantive 4 in the San Juan Model	2-15
Figure 2-3.	Schematic of Modeled Components of Refined Alternative 6	2-17
Figure 2-4.	Typical Average Year (1945) Hydrograph for the Animas River below the Durango Pumping Plant for Refined Alternative 4 compared to the Future without Project ..	2-22
Figure 2-5.	Typical Wet Year (1949) Hydrograph for the Animas River below the Durango Pumping Plant for Conditions with and Without the Project	2-22
Figure 2-6.	Typical Dry Year (1951) Hydrograph for the Animas River below the Durango Pumping Plant for Refined Alternative 4 compared to the Future without Project ..	2-23
Figure 2-7.	Typical Average Year (1945) Hydrograph for the LaPlata River at Farmington for Refined Alternative 4 Compared to the Future without Project	2-25
Figure 2-8.	Typical Wet Year (1942) Hydrograph for the LaPlata River at Farmington for the Preferred Alternative Compared to the Future without Project	2-25
Figure 2-9.	Typical Dry Year (1951) Hydrograph for the LaPlata River at Farmington for the Preferred Alternative Compared to the Future without Project	2-26
Figure 2-10.	Typical Average Year (1935) Hydrograph for the San Juan River at Four Corners, New Mexico for Refined Alternative 4 compared to the Future without Project ..	2-29
Figure 2-11.	Typical Wet Year (1949) Hydrograph for the San Juan River at Four Corners, New Mexico for Refined Alternative 4 compared to the Future without Project	2-29
Figure 2-12.	Typical Dry Year (1951) Hydrograph for the San Juan River at Four Corners, New Mexico for Refined Alternative 4 compared to the Future without Project	2-29
Figure 2-13.	Frequency distribution of Ridges Basin End-of-month Reservoir Content for the Period 1929-1965 for Standard Operation with Refined Alternative 4	2-31
Figure 2-14.	Ridges Basin End-of-month Reservoir Content for the Period 1929-1965 for Standard Operation with Refined Alternative 4	2-31
Figure 2-15.	Frequency distribution of Ridges Basin End-of-month Reservoir Content for the Period 1929-1965 for Operation to Mitigate Indian Trust Water Rights Impact with Refined Alternative 4	2-32
Figure 2-16.	End-of-month content for Ridges Basin Reservoir for the Period 1929-1993 for Operation to Mitigate Indian Trust Water Rights Impact with Refined Alternative 4	2-32
Figure 2-17.	Frequency Distribution of Navajo Reservoir Content for the Period 1929-1993 under Baseline, Standard Project Operation and Operation for Mitigation of Impacts to Indian Trust Water Supply with Refined Alternative 4	2-34
Figure 2-18.	Navajo Reservoir End-of-month Content for the Period 1929-1993 under Baseline Operating Conditions with Refined Alternative 4	2-34
Figure 2-19.	Navajo Reservoir End-of-month Content for the Period 1929-1993 under Standard Project Operating Conditions with Refined Alternative 4	2-35
Figure 2-20.	Navajo Reservoir End-of-month Content for the Period 1929-1993 under Operating Conditions Designed for Mitigation of Impacts in Indian Trust Water Supply	2-35

Appendix 2

Hydrologic Modeling Analysis

INTRODUCTION

This appendix details the analysis process for determining the water supply available for the Animas La Plata Project (ALP Project) and for examining impacts to hydrology from operation of Refined Alternative 4 and Refined Alternative 6. The results of this modeling effort are also presented.

Understanding the impact of the project alternatives on the water resources of the San Juan River basin requires modeling the complex relationships associated with multiple diversion and return flow points associated with the project. A number of basin-scale models exist that take hydrologic input data and simulate the behavior of various processes under different sets of water allocation and infrastructure management. A distinguishing feature of these simulation models is their ability to assess water resource system responses over the long term.

There are several best-science river basin simulation models available, any one of which would be appropriate for developing and analyzing San Juan River flow recommendations. RiverWare was selected primarily because of its flexibility and capability to simulate all key features within the San Juan River Basin. RiverWare has been implemented in the San Juan Basin since 1998 in support of assessing the relationship between flow recommendations for endangered fish in the San Juan River and water development. This implementation has been completed by the U.S. Bureau of Reclamation (Reclamation) and Keller-Bliesner Engineering as a consultant for the BIA. The application for this analysis is an extension of that work. Reclamation has been extensively involved in this effort as well.

MODELING APPROACH

RiverWare

RiverWare is a generic hydrologic modeling tool using an object-oriented design and a graphical user interface (GUI) to allow users to develop data-driven and variable time-step models for both planning and operational uses. Because of its flexible and extensible design, it can be readily customized to fit specialized modeling needs for any river system. One of the features of RiverWare is its ability to solve a river basin network (developed by the user with the graphical user interface) with different controllers or solution techniques. Currently, there are three different controllers: simulation, rule-based simulation, and optimization. A fourth controller for water ownership and accounting is currently being developed. RiverWare has been in development since 1993 and is the result of a continuing collaborative effort between the Center for Advanced Decision Support for Water and Environmental Systems at the University of Colorado, Reclamation, and the Tennessee Valley Authority (TVA).

A model of a river system network is constructed by placing objects from a palette onto a work space using the GUI. Objects in RiverWare represent the features of a river basin. The objects supported by RiverWare are storage reservoirs, power reservoirs, pumped storage reservoirs, river reaches, aggregate river reaches, confluences, aggregate diversions for municipal and industrial (M&I) and agricultural demands, canals, groundwater, and data objects. Each object has many slots. Slots are essentially place holders for information associated with that object. For example, a storage reservoir has slots such as

inflow, outflow, storage, evaporation, elevation, and volume tables. The slots that are visible depend on the methods that the user selects. Almost all of the objects have several different methods available, thus allowing the user to easily customize the physical behavior of an object. For example, to change how a reservoir computes its evaporation, the user simply selects an appropriate evaporation method from the list of methods on the reservoir object. RiverWare adds the appropriate slots to the object and the user provides the necessary data. The selected method and data control how the reservoir will compute its evaporation. After the objects are put into the work space and the appropriate methods are selected, they can be linked together so information from one object is propagated to another. For example, the outflow of a reservoir could be linked to the inflow of a downstream river reach. By selecting appropriate objects, methods, and linking the objects together, a river basin network is formed.

After the river basin network is complete, the user can take advantage of many features and utilities that make it easy to input, output, view, manipulate, and analyze data in a model. These utilities include the Simulation Control Table, Data Management Interfaces, plotting, snapshot, expression slots on data objects, and the ability to write binary Microsoft Excel spreadsheet files. Simulation Control Tables allow the user to customize views of information in the model and also to run the model and view the updated model run results. Data Management Interfaces provide a way to transport data between a model and external data sources, such as a database or an ASCII file. With the plotting utilities, virtually any information in the model can be easily plotted for analysis and report generation. The snapshot utility provides the user a way to save information from a model run so it can be used to compare with subsequent model runs. Expression slots on data objects provide a powerful way to algebraically manipulate data within the model. Additionally, RiverWare has a robust diagnostics utility for checking for and helping to pinpoint problems.

Current RiverWare applications where the models are operational include the following applications: (1) long-term policy planning model on the Colorado River (rules model with monthly time-step), (2) midterm planning and operations model on Colorado River (24-month simulation model with monthly time-step), (3) daily operational model for Hoover Dam (BOPS, simulation model), (4) operational model for the TVA (TVA, optimization model with 6-hour time-step), (5) Upalco Planning Model (rules model with daily time-step) and (6) San Juan River Model for the San Juan basin (rules model with monthly and pseudo daily time-step). RiverWare models currently under development include the following: (1) Upper Rio Grande River Basin Model (accounting and rules model with daily time-step), (2) Gunnison River Basin Model (rules model with monthly time-step), and (3) Yakima River Basin Models (rules model with both monthly and daily time-steps).

RiverWare Model of the San Juan River

Hydrologic simulation models, such as RiverWare, are essentially mass balance models operating within a rule-based framework to simulate hydrologic interactions between water sources and their uses. Maintaining a water balance assures that the sum of inflows less the sum of outflows equals the change of storage within the basin. Water inflows consist of natural stream flows, trans-basin inflows (e.g., Dolores Project return flows), and precipitation. Outflows consist of water flowing across the downstream basin boundary (San Juan River at Bluff), consumptive use (crops, M&I, natural vegetation, free water surface evaporation, etc.), and trans-basin diversions (San Juan-Chama). Water storage consists of the water within basin lakes and reservoirs, soils, and groundwater aquifers.

In the San Juan River model, only unnatural (man-induced) hydrologic effects are explicitly modeled. The model begins with the natural inflows and natural, unaged, gains and losses to river reaches. Starting from this basis eliminates the need to model natural hydrologic processes such as rainfall/runoff. Thus, precipitation falling upon natural vegetation, consumptive use by natural vegetation, runoff of

excess precipitation, evaporation from the free water surfaces of rivers, etc. are assumed to be reflected in the natural inflows and reach gains and losses and are therefore not modeled. Likewise, it is assumed that precipitation runoff from man-affected areas (agricultural lands, cities, etc.) is not significantly different from natural conditions to warrant explicit modeling treatment.

Thus, the inflows for the simulated water balance of the San Juan River Basin consist of the estimated natural inflows, stream reach gains, and the Dolores Project return flow to the San Juan River Basin. The outflows consist of the man-affected (gaged) flow of the San Juan River at Bluff, consumptive irrigation (irrigated crop evapotranspiration less effective precipitation), M&I depletions, net (in excess of natural) evaporation from manmade reservoirs and stock ponds, and the San Juan-Chama trans-basin diversion. The change in storage is reflected in the difference between beginning and ending reservoir content and groundwater volume. Groundwater storage in the current model includes the underlying NIIP and the irrigation in McElmo and Montezuma creeks. The effects of soil water storage for irrigated lands are assumed to be reflected in the effective rainfall and consumptive irrigation calculations and are not explicitly modeled.

The 1970 to 1993 monthly natural flows expected at 23 gaging stations along the San Juan River and its tributaries above Mexican Hat, Utah, were calculated by Reclamation. The monthly natural flows were estimated by adjusting gaged flows (Hydrosphere, 1998) to account for upstream irrigated crop depletions, reservoir influences (operational and evaporative), trans-basin diversions, M&I uses, and flows directly bypassing the gage. Natural reach gains and losses were calculated as the difference in the natural flow estimates between gauging stations. No lagging of return flows (diversions less depletions) was incorporated except for the three areas underlain by the simulated groundwater storage.

Irrigated crop depletions were calculated using the SCS TR21 modified Blaney-Criddle consumptive use less effective precipitation (Soil Conservation Service, 1970). When water supplies are insufficient to meet diversion requirements for full crop demand, shortages are simulated following Reclamation Type I study approach (Reclamation, 1971). Reclamation's XCON program was used to compute both non-shorted and shorted irrigation depletions.

Previous modeling of the San Juan River in support of project authorization and Consultation under Section 7 of the Endangered Species Act (ESA) relied on Colorado River Simulation System (CRSS) estimates of the 1929 to 1974 monthly natural flows at Archuleta, New Mexico, and Bluff. As part of the San Juan River Basin modeling exercise, an analysis of the 1929 to 1974 streamflow record was conducted to determine whether there were differences in the statistical properties of the San Juan River Basin hydrology pre- and post-1974. Statistics were calculated using a 20-year moving window to assess changes in the mean flow and the variability and seasonality of the flows. An investigation of the impacts on reservoir storage needed to meet various target yields and yield failure was also performed. The 1974 to 1993 record was found to exhibit significant differences from the prior record in terms of these criteria. It was a relatively wet period. It was therefore determined that inclusion of the 1929-1973 data would likely lead to more reasonable and more stringent estimates of low flows and drought conditions.

Therefore, the monthly 1970 to 1993 natural flows recalculated by Reclamation as explained above were extended from 1969 back to 1929 using a spatial disaggregation model. The particular disaggregation model used preserves the mean, standard deviation, and one-month lag statistics of the hydrologic series. The model relies on key stations with full periods of record (in this case 1929 to 1993) as drivers for the record extension. The natural flows at Archuleta and Bluff were forced, by adjusting stream reach gains and losses to exactly match the CRSS natural flows at Archuleta and Bluff for the period 1929 to 1969.

The 1935 to 1993 monthly gaged record for the San Juan River at Pagosa Springs, Colorado, served as the key station for stations, including all tributaries, above Navajo Reservoir. The gaged record at Pagosa Springs was extended back to 1929 using the spacial disaggregation method with the 1929 to 1934 CRSS natural flow for the San Juan River near Archuleta as its key station. For stations in the Animas drainage, the Animas River at Durango, Colorado, was the key station for 1929 to 1993. The tributaries entering the San Juan River below Farmington (LaPlata, Mancos, and McElmo) were disaggregated using the LaPlata River at Hesperus, Colorado, as the key station.

From the full set of natural flows (the 1929 to 1969 extension and the 1970 to 1993 Reclamation natural flows) the gains and losses were calculated for each reach by subtracting the upstream stations from the downstream station. However, for stations along the San Juan River (Farmington, Shiprock, and Four Corners, New Mexico), another method was used to find the gain and loss files. There were two reasons for the change: (1) for this study monthly natural flows at these stations needed to be further disaggregated into daily values, and (2) the daily gage error at these stations could be suppressed by using a different method to find gains and losses.

For these stations along the mainstem of the San Juan River, the monthly natural flows for 1929 to 1969 were estimated by distributing gains and losses between Archuleta and Bluff (Mexican Hat). The method consisted of subtracting the monthly natural flows of the LaPlata River, the Mancos River, McElmo Creek, and the CRSS San Juan River near Bluff from the CRSS natural flow at Archuleta. The net gains and losses in this reach were then distributed among the intermediate stations along the mainstem of the San Juan River. The distribution for each reach was calculated as the mean annual gain or loss using the 1970 to 1993 natural flows for the appropriate station set. The distributions, expressed as a percentage of the total gain or loss by reach, were 0.0% from Archuleta to Farmington, 7.0% from Farmington to Shiprock, 58.7% from Shiprock to Four Corners, and 34.3% from Four Corners to Mexican Hat. Using these percentages, the monthly gain or loss was computed for each intermediate station for years 1929 to 1969. For 1970 to 1993 the gain or loss was found by the difference of Reclamation natural flows.

The RiverWare model of the San Juan River Basin operates on a monthly time-step, simulating the flow at every gauging station for various depletion scenarios (current, depletion base, and various potential future projects). The model determines daily flows for the simulated Navajo Dam releases and Durango pumping plant only. Monthly flows provided insufficient information to adequately describe the runoff hydrograph (magnitude, duration, timing, and shape) necessary in the flow recommendation process. Thus, it was necessary to temporally disaggregate monthly flows to daily flows for the San Juan River mainstem below Navajo Dam. This was achieved by a daily mass balance on the mainstem computed in a spreadsheet after each RiverWare run. The daily distribution of natural stream reach gains and losses were estimated using the difference between daily gage records. Likewise, the gaged flow records for the Animas, LaPlata, and Mancos rivers at their mouths were used to disaggregate the RiverWare simulated monthly flow of each river to daily flow. Simulated monthly diversions and return flows along the mainstem were disaggregated to daily values by distributing the monthly flows into quarter month values. The distributed quarter month flows were then uniformly converted to daily flows.

Irrigation diversions, depletions, return flows, trans-basin diversions, and M&I uses were explicitly represented and modeled in RiverWare for all major San Juan tributaries (San Juan River above Navajo Dam, Piedra, Los Pinos, Animas, LaPlata, and Mancos rivers and McElmo Creek). All other tributaries were aggregated into the gains and losses to the reach of the San Juan River into which they flow. The unnatural depletions from these minor tributaries were treated as direct diversions from the San Juan River. Navajo, Ridges Basin, Vallecito, and Florida reservoirs and Jackson Gulch were explicit nodes within the model and their operations were simulated according to rules. Operations of Electra Lake and

all other water impoundments, including stock ponds, were ignored. However, the evaporation losses from these facilities were included as depletions from their associated streams.

Several refinements were developed to compensate for peculiarities in the way the natural flow study handled some depletions and the resulting RiverWare configuration. In the natural flow study offstream depletions, remote from the mainstem and major tributaries, were treated as direct diversions from the mainstem. As a result these offstream depletions, both irrigation and non-irrigation, could call on Navajo Reservoir in the model and overdraw the reservoir during simulations. By limiting these offstream depletions to the natural gains occurring within their associated river reach, this problem was avoided. Other refinements included compensation for phreatophyte depletions along the mainstem and adjustments to lag return flows.

The San Juan-Chama project was simulated following the rules of the Authorization Act. Daily bypass flow requirements in the Rio Blanco, Little Navajo, and Navajo rivers were maintained. The maximum single year diversion (270,000 AF), maximum total 10-year diversion (1,350,000 AF), and capacity of the diversion tunnels were also respected. The diverted water was stored and released from Heron Reservoir, which was also simulated in the San Juan RiverWare model. The release pattern from Heron Reservoir followed the mean call pattern of the current San Juan-Chama contracts.

The Project impacts were simulated in RiverWare by explicitly entering the various project features and defining their operation in the system. To meet daily minimum flow requirements in the Animas River, a daily operation loop was employed to determine allowable pumping to Ridges Basin reservoir. All other computations were completed on a monthly time step.

Before using the San Juan RiverWare model for project analysis, it had to be validated, verified, and calibrated like any model. The configuration of the model was validated by having the model simulate gaged flows from the natural flows and the historical depletions, reservoir releases, and flow routing used to compute the natural flows. This was essentially a back-calculation of the gaged flows from the natural flows. The model configuration was determined to be valid once the simulated flows at all gage points matched the gaged flows.

Once the model configuration was validated, reservoir operation rules were substituted for the historic releases, and the model was rerun. The reservoir operating rules were calibrated so that the end of month reservoir contents closely matched the historical observed contents. Once this match was obtained, rules designed to simulate the Type I shortage were implemented and the full irrigation demands substituted for the historical shorted demands. Again the rules were adjusted until the simulated flows at all gauging stations closely matched the observed gaged flows. Once this was achieved the model was assumed calibrated and verified.

Simulation of reservoir operations, particularly operation to "mimic" natural flows, requires forecasts of reservoir inflows. For forecasting inflows to Vallecito and Lemon reservoirs, the fraction of the deviation of the actual inflow from the mean inflow is added to the mean inflow. The deviation fraction starts small early in the year and approaches 100% when close to the peak runoff month. For the Navajo Reservoir operation simulation, a forecast error approach is used, whereby the mean historical forecast error for each month is predetermined and applied. Operation of Navajo Dam also requires forecasting the time of peak runoff for the Animas River. At this time, the median Animas River peak flow date (June 1) is set as a constant, since no significant relationship could be developed for predicting timing of the peak. The required timing of the peak release from Navajo Dam was adjusted to optimize the hydrograph statistics to mimic the 1929 to 1993 period of analysis.

Configuration for Project Analysis

The model was configured to simulate future conditions without the project by including all current depletions, all depletions that could occur without further federal action (primarily exercise of state water rights not presently being used as identified by Colorado and New Mexico) and all depletions for which favorable biological opinions have been issued. These depletions are often referred to as "baseline depletions" in accordance with language from the ESA Section 7 process and are greater than the current or historical depletions. Table 2-1 presents the best estimate of current depletion in the basin. Those used for the future without project condition appear in Table 2-2. The difference results largely from the completion of the Navajo Indian Irrigation Project which is in progress and from use of state water rights that are allocated by not fully utilized. The model was applied with the Navajo reservoir operating rules from the San Juan River Basin Recovery Implementation Program (SJRBRIP) Flow Recommendations Report (Holden, 1999). There are several calibration parameters in the described rules which are adjusted for a particular set of project conditions. These parameters were adjusted to provide the best flow conditions.

Since the operation for these conditions requires releases from Navajo Reservoir to meet the flow requirements for endangered fish in the San Juan River, the ability to supply water to meet future Indian trust water rights anticipated from the water supply in Navajo Reservoir is impacted. There are presently two quantified Non-Ute Indian trust water rights that may be impacted by the development of the project.

The Jicarilla Apache Tribe has a water right for an average annual depletion of 25,500 AF from the San Juan River above or from Navajo Reservoir. This is an adjudicated right in settlement of their federally reserved rights. This adjudicated right has no identified use or associated project at this time.

A municipal water supply project is proposed to supply domestic, municipal and industrial water supply to remote areas of the Navajo Reservation with limited or no water supply. Linked to the project and important to its authorization is delivery of M&I water to Gallup, NM. The project would divert 31,900 AF and deplete 28,000 AF per year, including 7,500 AF of diversion and depletion to the City of Gallup. The balance of the Navajo Nation reserved rights are not considered here, as they are unquantified.

Under this configuration, 20,000 AF of the 53,500 AF of depletion desired can be met when operating according to the existing operating rules. This is considered the baseline against which project impacts to Indian trust water rights are measured. There are at least two conditions that may reduce this impact in the future. First, the flow recommendations are made within the framework of adaptive management. In the future, more water may be available to meet these needs. Secondly, the operating rules described in the SJRBRIP flow recommendations were not optimized to match the flow recommendations with the minimum amount of released water. Such optimization may increase the water supply available for development.

Table 2-1
Estimated Current Depletions in the San Juan Basin

Depletion Category	Riverware Current Depletion (ac-ft)	Depletion Range (1929 to 1993) (Max ac-ft) Min ac-ft)
New Mexico Depletions		
Navajo Lands Irrigation Depletion		
Navajo Indian Irrigation Project	135,330	154,873 110,775
Hogback	9,535	11,203 7,556
Fruitland	6,147	7,221 5,006
Cudei	715	841 546
Subtotal	151,727	
Non-Navajo Lands Irrigation Depletion		
Above Navajo Dam	925	1,300 629
Animas River	24,873	28,851 19,891
LaPlata River	8,276	9,567 6,453
Upper San Juan	6,680	7,849 5,372
Hammond Area	7,507	8,820 6,036
Farmers Mutual Ditch	7,462	8,772 6,081
Jewett Valley	2,379	2,924 2,027
Westwater	110	
Subtotal	58,212	
Total NM Irrigation Depletion	209,939	
Non-Irrigation Depletions		
Navajo Reservoir Evaporation	29,139	31,584 24,838
Utah International	31,388	31,502 31,329
San Juan Power Plant	16,200	16,201 16,199
Industrial Diversions near Bloomfield	2,500	
Municipal and Industrial Uses	6,945	
Scattered Rural Domestic Uses	1,400	*
Scattered Stockponds & Livestock Uses	2,200	*
Fish and Wildlife	1,400	*
Total NM Non-Irrigation Depletion	91,172	
San Juan Project Exportation	107,514	201,046 23,456
Unspecified Minor Depletions	1,500	*
Total NM Depletions (Excluding ALP)	410,125	
Colorado Depletions		
Upstream of Navajo		
Upper San Juan	9,270	11,967 6,139
Navajo-Blanco	6,972	9,146 4,464

Table 2-1 (continued)
Estimated Current Depletions in the San Juan Basin

Depletion Category	Riverware Current Depletion (ac-ft)	Depletion Range (1929 to 1993)	
		(Max ac-ft)	Min ac-ft)
Piedra	7,178	12,300	3,129
Pine River	67,658	93,125	41,139
Subtotal	91,078		
Downstream of Navajo			
Florida	27,293	37,610	19,980
Animas and LaPlata Rivers	36,500	48,905	26,989
Mancos	15,580	18,845	11,777
Subtotal	79,374		
Total CO Depletions (Excluding ALP)	170,452		
CO & NM Combined Depletions	580,577		
ALP	0		
Subtotal	580,577		
McElmo Basin Imports	(19,517)	(33,770)	1,508
Utah Depletions	10,929 **	1,705	1,705
Arizona Depletions	12,419 *	0	0
NET NM, CO, UT, AZ Depletion	584,407		
NM Off River Depletions			
Chaco River	4,608 *	0	0
Whiskey Creek	649 *	0	0
GRAND TOTAL	589,664		

* Indicates offstream depletion accounted for in calculated natural gains

** 1705 San Juan River depletion 9224 off stream depletion

Table 2-2
Summary of Future without Project (Baseline) Depletions in the San Juan Basin

Depletion Category	Baseline Ave. Depletion (ac-ft)	Depletion Range (1929 to 1993) (Max ac- ft)	Depletion Range (1929 to 1993) (Min ac- ft)
New Mexico Depletions			
Navajo Lands Irrigation Depletion			
Navajo Indian Irrigation Project	280,600 *	297,203	224,796
Hogback	12,100	14,216	9,592
Fruitland	7,898	9,279	6,432
Cudei	900	1,058	687
Subtotal	301,499		
Non-Navajo Lands Irrigation Depletion			
Above Navajo Dam - Private	738	1,040	504
Above Navajo Dam - Jicarilla	2,190	3,086	1,494
Animas River	36,711	42,671	29,418
LaPlata River	9,538	11,110	6,925
Upper San Juan	9,137	10,735	7,347
Hammond Area	10,268	12,063	8,256
Farmers Mutual Ditch	9,540	11,272	6,065
Jewett Valley	3,088	3,757	2,604
Westwater	110		
Subtotal	81,320		
Total NM Irrigation Depletion	382,819		
Non-Irrigation Depletions			
Navajo Reservoir Evaporation	27,492	30,980	21,250
Utah International	39,000	39,001	38,997
San Juan Power Plant	16,200	16,201	16,199
Industrial Diversions near Bloomfield	2,500		
Municipal and Industrial Uses	8,968		
Scattered Rural Domestic Uses	1,400 **		
Scattered Stockponds & Livestock Uses	2,200 **		
Fish and Wildlife	1,400 **		20,957
Total NM Non-Irrigation Depletion	99,159		
San Juan Project Exportation	107,514	201,047	23,457
Unspecified Minor Depletions	4,489 +		
Total NM Depletions (Excluding ALP)	593,981		

Table 2-2 (continued)
Summary of Future without Project (Baseline) Depletions in the San Juan Basin

Depletion Category	Baseline for ALP (ac-ft)	Depletion Range (1929 to 1993) (Max ac- ft)	(Min ac- ft)
Colorado Depletions			
Upstream of Navajo			
Upper San Juan	10,858	13,905	7,341
Navajo-Blanco	7,865	10,345	5,015
Piedra	8,098	13,196	2,935
Pine River	71,658	96,691	53,174
Subtotal	98,478		
Downstream of Navajo			
Florida	28,552	33,141	15,688
Animas	25,101	32,352	19,659
LaPlata	12,850	23,388	1,548
Mancos	19,530	24,339	14,257
Subtotal	86,032		
Total CO Depletions (Excluding ALP)	184,510		
CO & NM Combined Depletions	778,491		
ALP	0		
Subtotal	778,491		
McElmo Basin Imports	-11,895	-17,969	7,756
Utah Depletions	10,929 ***	1,705	1,705
Arizona Depletions	12,419 **	0	0
NET NM, CO, UT, AZ Depletion	789,944		
NM Off River Depletions			
Chaco River	4,608 **	0	0
Whiskey Creek	649 **	0	0
GRAND TOTAL	795,201		

* Includes 10,600 AF of annual groundwater storage. At equilibrium this drops to 270,000 AF

** Indicates offstream depletion accounted for in calculated natural gains

*** 1,705 San Juan River depletion, 9,224 off stream depletion

+ 1,500 AF of depletion from minor depletions approved by SJRIP in 1992. 3,000 AF from 1999
Inter-service consultation, a portion of which may be in Colorado

Configuration for Refined Alternative 4

The elements of Refined Alternative 4, as described in Chapter 2 of the SEIS, were represented in the model for analyzing impacts. Since the non-binding uses did not account for the entire depletion allocation for the Ute tribes, the additional water was assumed to be used to meet future regional demands, distributed by the same proportion as specified in the non-binding use description for regional supply. The added water provides an adequate water supply for the regional demand for about 80 years into the future. The diversions and depletions associated with the project under this scenario are shown in Table 2-3. Several of the identified non-binding uses have efficiencies greater than 50%. In the case of the power plant uses, the efficiency is 100%. Using the actual use data from the San Juan Generating Station, there would be no return flow from these uses. Also, stock and wildlife uses were assumed to have no return flow. The golf courses also have efficiencies greater than 50%. Since the uses specified for the Utes are non-binding, the assumptions on efficiency for the various uses result in a smaller diversion than would occur if some other M&I use was specified. Therefore, the assumptions for the non-binding uses did not present the highest impact situation. To assess the impact under the extreme case it was assumed that standard M&I use with 50% efficiency would occur at each of the demand locations specified. The diversion and return flow locations remain the same, but the efficiency is adjusted to account for a different use. All model runs were completed with this adjusted efficiency, with the Project demands shown in Table 2-4. The overall configuration of the model is shown in Figure 2-1. The model details for the project are shown in Figure 2-2.

The return flow locations are occasionally lower in the model than they may actually occur. In the case of the LaPlata River, it was necessary to place the return flows below any diversions to assure that the return flows are not diverted by the model for irrigation, but are protected to the San Juan River. On the Animas and Florida Rivers, placing the return flow at the confluence of the two rivers for the Colorado depletions generates the maximum probable streamflow impact for the reach above the assumed return flow point.

The Durango pumping plant is operated with a 280 CFS capacity, limited to 240 CFS in June to avoid impacting endangered fish flow requirements in the San Juan River. Pumping is further limited to allow the following bypass flows in the Animas River at the pumping plant intake: October through November - 160 CFS, December through March - 125 CFS, and April through September - 225 CFS. This is in addition to the City of Durango pumping plant with a capacity of 11 cfs which may be combined into the Ridges Basin Pumping Plant upon construction. The model accounts for the full pumped volume of the two plants.

Demands on Ridges Basin Reservoir are divided in the model between direct diversion (those delivered directly from the reservoir without release to the Animas River) and release to the Animas River via Basin Creek to meet uses downstream. Downstream demands in the Animas River are met first by streamflow available after meeting historic demand, including Project return flow entering above the diversion point, and then by release from Ridges Basin Reservoir. The details of the use categories and flow paths are shown in Figure 2-2.

Since the operation of Refined Alternative 4 requires an increase in releases from Navajo Reservoir to replace water that would otherwise pass downstream to meet the flow requirements for endangered fish in the San Juan River, the project impacts the ability to supply water to meet future Indian trust water rights anticipated from the water supply in Navajo Reservoir.

Table 2-3
Diversion and Depletion Summary for Refined Alternative 4 with Non-Binding Uses as Described in
Chapter 2 of the DSEIS

Category	Diversion	Depletion	Diversion Location	Return Flow Location
Southern Ute				
Florida Mesa housing	140	70	Ridges Basin	Animas at Florida Confl
Animas River basin housing	140	70	Ridges Basin	Animas at Florida Confl
LaPlata River basin housing	140	70	Ridges Basin	LaPlata at Farmington ^a
Animas Ind. Park M&I	40	20	Ridges Basin	Animas at Florida Confl
Ridges Basin golf course	569	398	Ridges Basin	Ridges Basin
Ridges Basin Resort	44	22	Ridges Basin	Ridges Basin
Coal mine	415	415	Ridges Basin	none
Coal fired Powerplant	13,500	13,500	Ridges Basin	none
Livestock & wildlife	15	15	Ridges Basin	none
Southern Ute Total	15,003	14,580		
Ute Mountain Ute				
LaPlata housing	280	140	Ridges Basin	LaPlata at Farmington ^a
Mancos Canyon Golf Course	699	489	Ridges Basin	Mancos River
Mancos Canyon Resort	33	17	Ridges Basin	Mancos River
LaPlata Basin Golf Course	447	313	Ridges Basin	LaPlata at Farmington ^a
LaPlata Basin Resort	40	20	Ridges Basin	LaPlata at Farmington ^a
Gas Powerplant	2,300	2,300	San Juan at SJPP	none
Livestock & wildlife	20	20	Ridges Basin	none
Ute Mountain Ute Total	3,819	3,299		
Regional water supply				
Durango	16,208	8,104	Ridges Basin	Animas R. below pump
Bloomfield & Upstream uses	4,533	2,267	San Juan-Cit. Ditch	San Juan at Farmington
Farmington	28,373	14,187	Farmington M&I Div	San J. below Animas Confl.
Florida Mesa	7,016	3,508	Ridges Basin	Animas at Florida Confl
Red Mesa Plateau	2,105	1,052	Ridges Basin	LaPlata at Farmington ^a
Kirtland, NM	7,016	3,508	Farmington M&I Div	San Juan above Hogback
Aztec, NM	4,911	2,456	Aztec M&I Div	Animas R. at Farmington
less - ALP Water Cons. Alloc.	(5,200)	(2,600)		
San J. Water Comm. Alloc.	<u>(20,800)</u>	<u>(10,400)</u>		
Total Regional Water Supply	44,162	22,081		
Total Ute Settlement	62,985	39,960		
Other Uses				
Navajo Nation	4,680	2,340	Farmington M&I Div	Shiprock below gage
ALP water conservancy	5,200	2,600	See Regional Water Supply	
San Juan Water Commission	20,800	10,400	See Regional Water Supply	
Ridges Basin Evaporation	1,800	1,800	Ridges Basin	none
Total Other Uses	32,480	17,140		
Range of depletions at 4 corners, NM				
Total Water Use	95,465	57,100	8,200 - 100,500 AF per year	

^aThis location for modeling convenience. For all other purposes assume return flow at State Line

Table 2-4
Modeled Diversion and Depletion Summary for Refined Alternative 4 with All M&I
Use at 50% Efficiency

Category	Diversion	Depletion	Diversion Location	Return Flow Location		
Southern Ute						
Florida Mesa housing	140	70	Ridges Basin	Animas at Florida Confl.		
Animas River basin housing	140	70	Ridges Basin	Animas at Florida Confl.		
LaPlata River basin housing	140	70	Ridges Basin	LaPlata at Farmington		
Animas Ind. Park M&I	40	20	Ridges Basin	Animas at Florida Confl.		
Ridges Basin golf course	796	398	Ridges Basin	Ridges Basin		
Ridges Basin Resort	44	22	Ridges Basin	Ridges Basin		
Coal mine	830	415	Ridges Basin	LaPlata at Farmington ^a		
Coal fired Powerplant	27,000	13,500	Ridges Basin	LaPlata at Farmington ^a		
Livestock+ wildlife	30	15	Ridges Basin	LaPlata at Farmington ^a		
Southern Ute Total	29,160	14,580				
Ute Mountain Ute						
LaPlata housing	280	140	Ridges Basin	LaPlata at Farmington ^a		
Mancos Canyon Golf Course	978	489	Ridges Basin	Mancos River		
Mancos Canyon Resort	33	17	Ridges Basin	Mancos River		
Gas Powerplant	4,600	2,300	San Juan at SJPP	San Juan above Shiprock		
Livestock & wildlife	40	20	Ridges Basin	LaPlata at Farmington ^a		
LaPlata Basin Resort	30	15	Ridges Basin	LaPlata at Farmington ^a		
LaPlata Basin Golf Course	626	313	Ridges Basin	LaPlata at Farmington ^a		
LaPlata Basin Dude Ranch	10	5	Ridges Basin	LaPlata at Farmington ^a		
Ute Mountain Ute Total	6,597	3,299				
Regional water supply						
Durango	15,338	7,669	Ridges Basin	Animas R. below pump		
Bloomfield & Upstream uses	4,533	2,267	San Juan-Cit. Ditch	San Juan at Farmington		
Farmington	28,373	14,187	Farmington M&I Div	San J. below Animas Confl.		
Florida Mesa	7,016	3,508	Ridges Basin	Animas at Florida Confl.		
Red Mesa Plateau	2,105	1,052	Ridges Basin	LaPlata at Farmington ^a		
Kirtland, NM	7,016	3,508	Farmington M&I Div	San Juan above Hogback		
Aztec, NM	4,911	2,456	Aztec M&I Div	Animas R. at Farmington		
less - ALP Water Cons. Alloc.	(5,200)	(2,600)				
San J. Water Comm. Alloc.	(20,800)	(10,400)				
Total Regional Water Supply	43,292	21,646				
Total Ute Settlement	79,050	39,525^b				
Other Uses						
Navajo Nation	4,680	2,340	Farmington M&I Div	Shiprock below gage		
ALP water conservancy	5,200	2,600	See Regional Water Supply			
San Juan Water Commission	20,800	10,400	See Regional Water Supply			
Ridges Basin Evaporation	2,235	2,235	Ridges Basin	none		
Total Other Uses	32,915	17,575				
			Range of depletions at 4 corners, NM			
Total Water Use	111,965	57,100	8,200 - 100,500 AF per year			
This location for modeling convenience. For all other purposes, assume return flow at State Line.						
Reduced from 39,960 due to increased evaporation for modeling balance with the larger reservoir. Actual allocation of increased evaporation may be to other uses as well.						

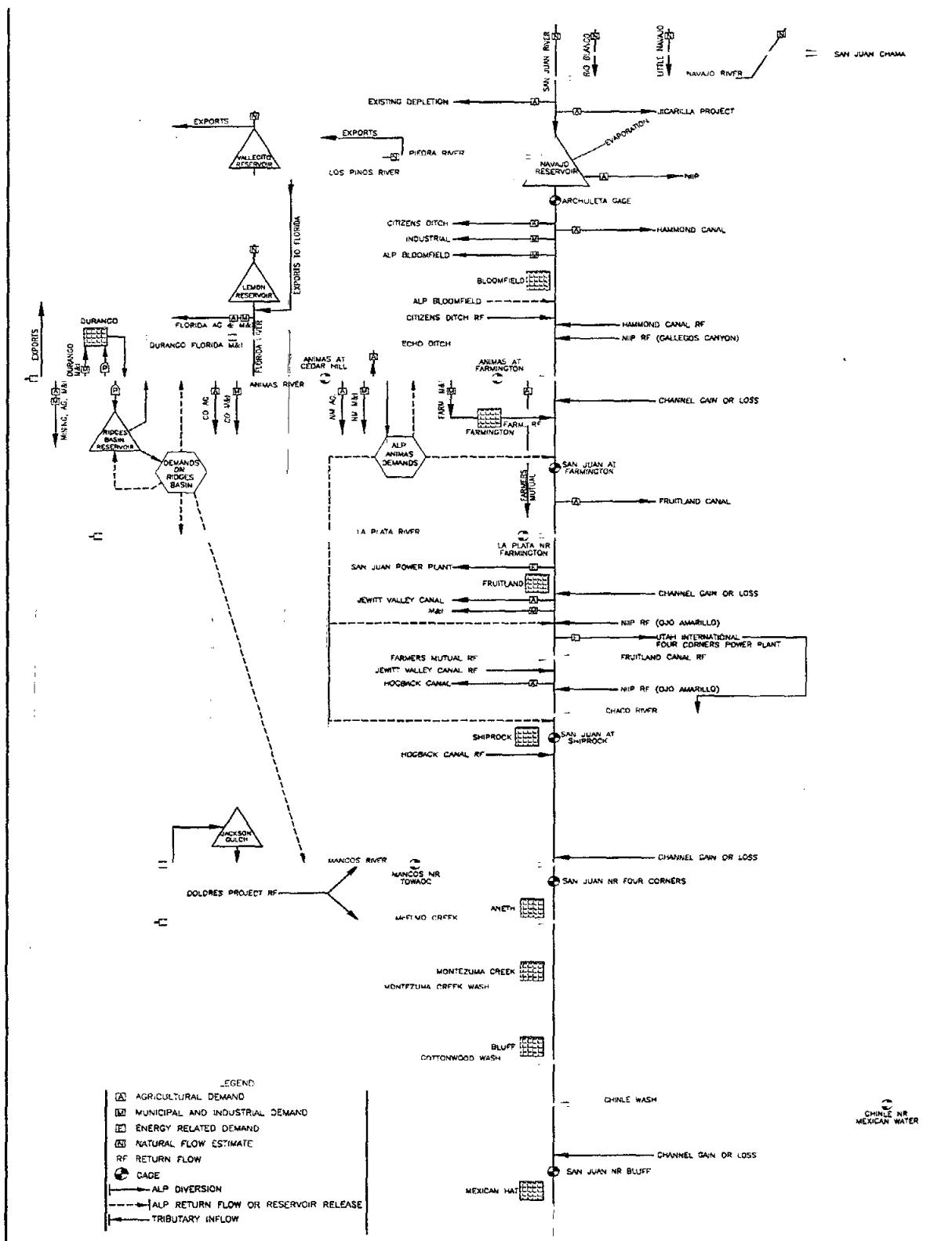


Figure 2-1. Schematic of the San Juan River Basin as Modeled

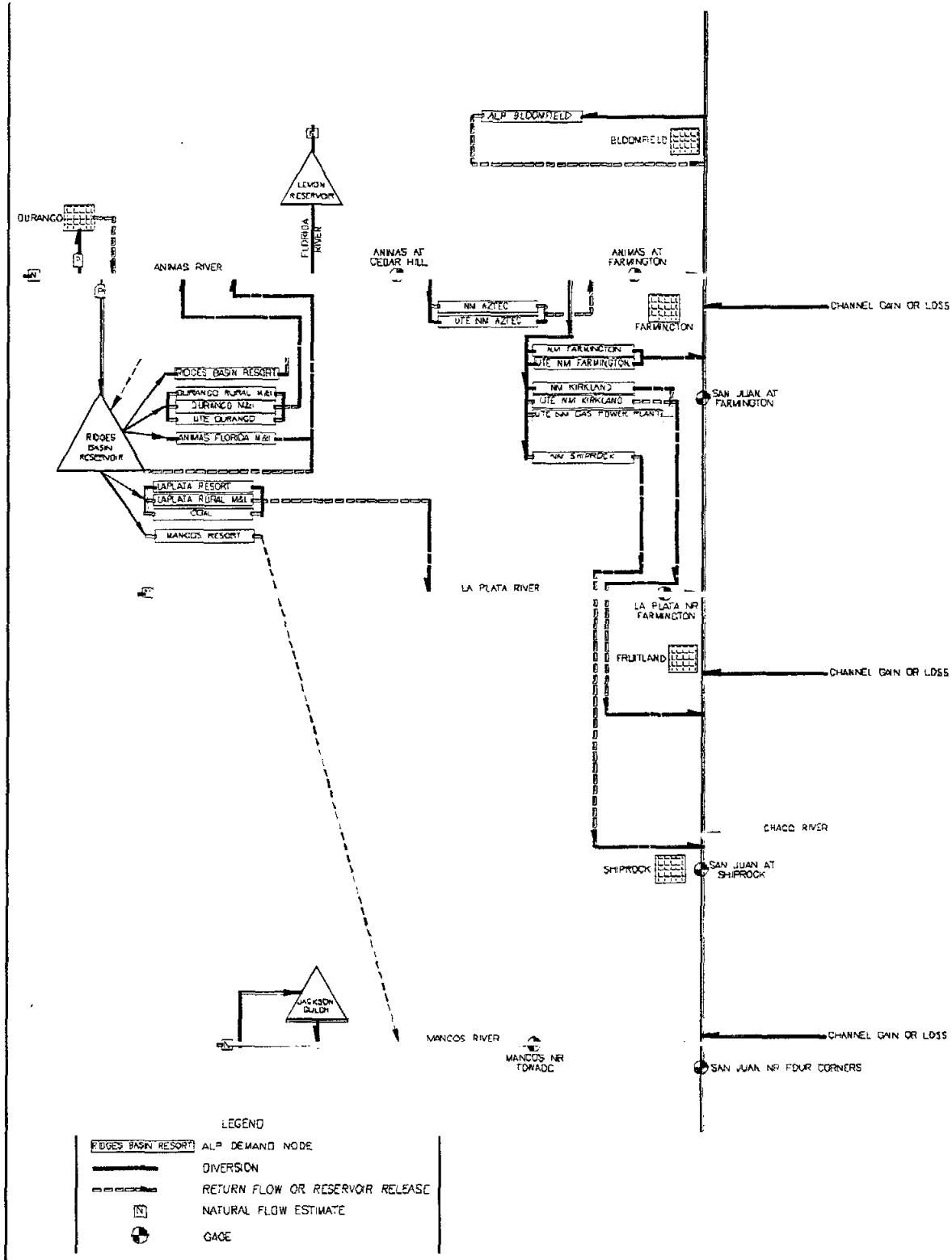


Figure 2-2. Detail of components of Refined Alternative 4 in the San Juan Model

Analysis has been completed to determine the impact to these water rights from the future without project condition, and the future with Refined Alternative 4. A portion of the impact associated with Refined Alternative 4 can be mitigated by modifying the operation of Ridges Basin Reservoir and leaving more water in Navajo Reservoir, particularly in dry years, to meet these needs. This can be accomplished by restricted pumping to Ridges Basin Reservoir during the months of November through February in years when Navajo Reservoir is low. This is the scenario discussed below as operation to mitigate impacts to Indian trust water rights. The rules employed for mitigation operation restrict pumping when water surface elevation drops below 6,030 ft in Navajo Reservoir.

Configuration for Refined Alternative 6

The components of Refined Alternative 6 described in Chapter 2 of the SEIS were included in this model configuration. In this case, both structural and non-structural components work together. Water from purchased irrigated land that is transferred to M&I use is analyzed in conjunction with associated storage. The modeling process for Refined Alternative 6 was iterative, since the model was used to determine acreage purchase necessary to meet the M&I demands described in Refined Alternative 4. The model configuration was adjusted by removing Ridges Basin Reservoir and changing diversion locations for several of the non-binding uses to take advantage of available storage in existing reservoirs. The M&I demands were met first from available streamflow after meeting all pre-project demands. These available supplies were then augmented with operation of existing and modified storage facilities as described in Chapter 2 of the SEIS. When demands could not be met by these two categories of water source, irrigated land was retired and the water transferred to M&I use until sufficient water was available to meet the project demands without increasing shortages to existing uses. The retirement of irrigated lands required re-operation of federal reservoirs to account for the change in demand pattern. Since the model only simulates operation and does not solve for a specific solution, an iterative process of land acquisition adjustment and model operation was used to determine the required land acquisition in each sub-basin. The adjusted model configuration is shown in Figure 2-3.

The adjusted diversion points shown in Figure 2-3 were necessary to accommodate the new configuration and match demand to supply and availability of storage capacity. In addition to adjusting diversion points, the regional demand listed for Red Mesa in Refined Alternative 4 was moved to the Montezuma Valley Irrigation Company service area. This adjustment was made to better match demands to available supply. The La Plata River is water short and transfer of water rights without significant associated storage supplies little M&I water in the low flow months. Refined Alternative 4 did not propose to supply any Montezuma County M&I regional demand since it was not practical to pipe Animas water that far. However, with Refined Alternative 6, the acquisition of water within Montezuma County and the projected regional demand in the area were matched to provide the Regional M&I water supply. The depletions for this adjusted project are shown in Table 2-5.

The model detail is reduced from that completed for Refined Alternative 4. Time was not spent to determine and fix all the impacts to existing uses or to properly assign return flows. However, in each basin, the water balance was checked against the operational storage available to assure that the system could be operated without impact to existing uses. In other cases, the model was not capable of handling the intricacies of the operation without significant change. These basins were analyzed by spreadsheet analysis outside the model. The LaPlata Basin was treated this way. Because of all these adjustments, model output at some locations is not accurate without adjustment. Therefore, the data presented are somewhat qualitative with more judgment applied to the results than for Refined Alternative 4.

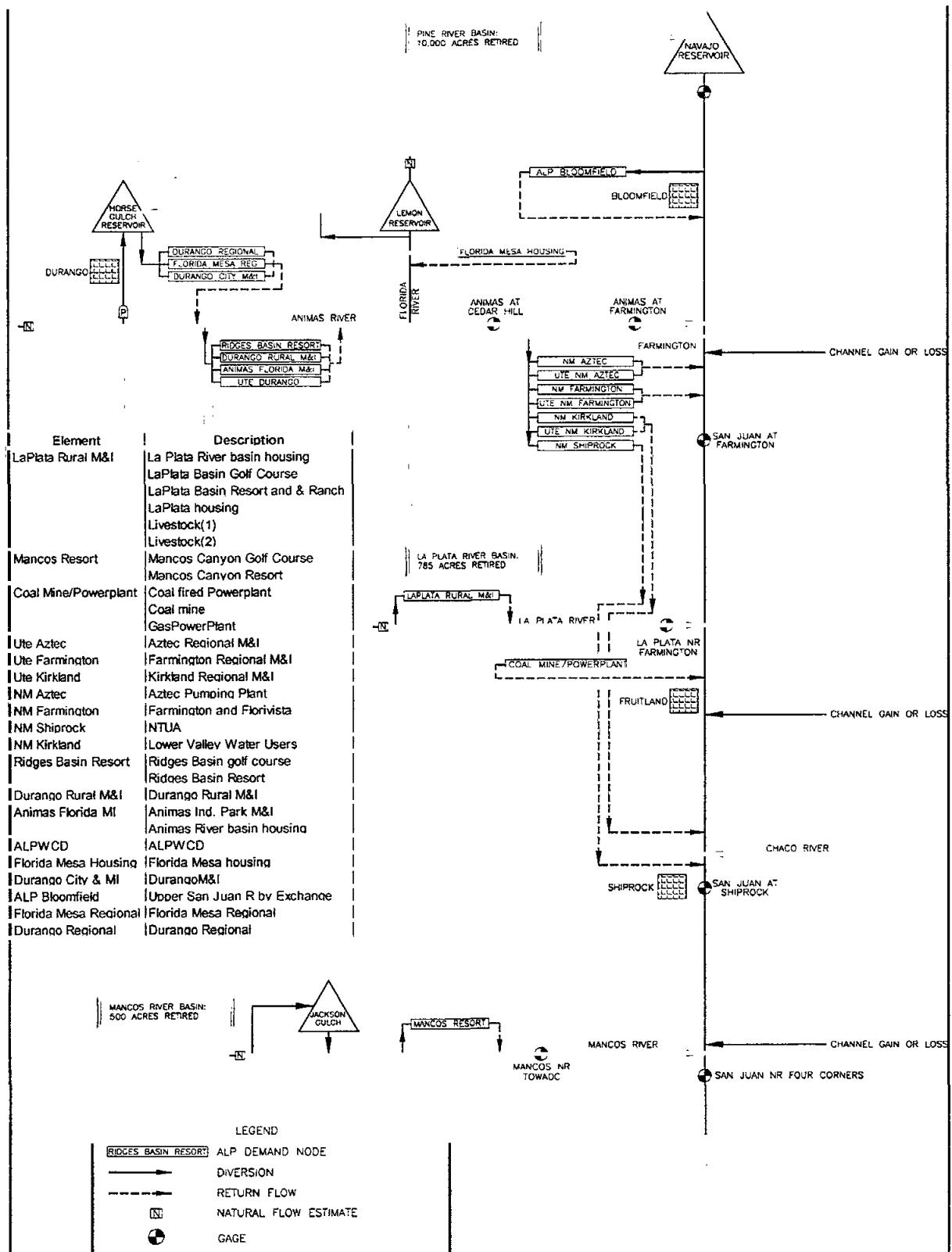


Figure 2-3. Schematic of Modeled Components of Refined Alternative 6

Table 2-5
Modeled Diversion and Depletion Summary for Refined Alternative 6
M&I Use at 50% Efficiency

Category	Diversion	Depletion	Diversion Location	Return Flow Location
Southern Ute - on-reservation non-binding uses				
Florida Mesa housing	140	70	Florida River	Florida at Confluence
Animas River basin housing	140	70	Animas River	Animas at Florida confl.
LaPlata River basin housing	140	70	LaPlata River at Cherry Cr	LaPlata below Cherry Creek
Animas Ind. Park M&I	40	20	Animas River	Animas at Florida confl.
Ridges Basin golf course	796	398	Animas River	Animas at Florida confl.
Ridges Basin Resort	44	22	Animas River	Animas at Florida confl.
Coal mine	830	415	San Juan below Animas	San Juan above Shiprock
Coal fired Powerplant	27,000	13,500	San Juan below Animas	San Juan above Shiprock
Livestock+ wildlife	30	15	LaPlata River	LaPlata at state line
Southern Ute Total	29,160	14,580		
Ute Mountain Ute on-reservation non-binding uses				
LaPlata housing	280	140	LaPlata River at Cherry Cr	LaPlata below Cherry Creek
Mancos Canyon Golf Course	978	489	Mancos River	Mancos River
Mancos Canyon Resort	33	17	Mancos River	Mancos River
Gas Powerplant	4,600	2,300	San Juan at SJPP	San Juan above Shiprock
Livestock & wildlife	40	20	LaPlata River at Cherry Cr	LaPlata below Cherry Creek
LaPlata Basin Golf Course	626	313	LaPlata River at Cherry Cr	LaPlata below Cherry Creek
LaPlata Basin Dude Ranch	10	5	LaPlata River at Cherry Cr	LaPlata below Cherry Creek
Ute Mountain Ute Total	6,597	3,299		
Ute combined non-binding regional water supply				
Durango	10,138	5,069	Animas, Florida	Animas R. below pump
Farmington	17,608	8,804	Animas or San Juan	San J. below Animas Confl.
Florida Mesa	7,016	3,508	Florida	Animas at Florida Confl.
Montezuma County	2,102	1,051	Dolores (rights conv)	McElmo
Kirtland, NM	5,018	2,509	San Juan below Animas	San Juan above Shiprock
Aztec, NM	1,410	705	Animas or San Juan	Animas R. at Farmington
Total Regional Water Supply	43,292	21,646		
Southern Ute non-structural				
Florida, Animas - ag, future conv.	13,000	6,500	Florida, Animas left on land	
Ute Mountain Ute non-structural				
Dolores - ag, future conversion	13,000	6,500	Dolores - Montezuma Valley left on land	
Total Ute Settlement	105,049	52,525		
Other Uses				
San Juan Water Commission				
Bloomfield & Upstream Uses	4,533	2,267	San Juan-Cit. Ditch	San Juan at Farmington
Farmington & Flora Vista	10,767	5,383	Animas or San Juan	San J. below Animas Confl.
Aztec	3,502	1,751	Animas or San Juan	Animas R. at Farmington
Kirtland	1,998	999	San Juan below Animas	San Juan above Shiprock
Total San Juan Water Commission	20,800	10,400		
Navajo Nation	4,680	2,340	Farmington M&I Div	Shiprock below gage
ALP water conservancy	5,200	2,600	Animas, Florida	Animas below Durango pump
Total Other Uses	30,680	15,340		
Total Water Use	135,729	67,865		

This location for modeling convenience. For all other purposes, assume return flow at State Line.

IMPACT ANALYSIS RESULTS

Future without Project Analysis

Since the foundation of impact determination is the future condition without the project, model runs for this level of depletion were completed. In all the following results, the comparison data listed as "without project" come from this analysis. Monthly flows for the 1929-1993 modeling period at key locations in the system appear in the **Model Results - Future without Project** summary at the end of this Appendix

Refined Alternative 4 Impact Analysis

Water resources under Refined Alternative 4 are depleted at Four Corners, New Mexico by 57,100 AF per year, on average. The analysis assumes that Ridges Basin reservoir begins full to match the full condition at the end of the modeling period. In reality, the reservoir would require filling. However, since there is no demand initially, the reservoir could be filled over a two-year period and have less effect than any single year of operation. All pumping limitations specified in the model would be required during the filling process. There are no significant impacts to water supply due to construction. All impacts occur as a result of project operation. The impact on the four affected rivers varies by stream reach.

In addition to these streamflow impacts, Ridges Basin Reservoir creates a new water resource in the San Juan Basin. The conditions of this new resource are also discussed.

Animas River Impacts from Refined Alternative 4

Three key locations are examined on the Animas River. The first location is just below the Durango pumping plant. Table 2-6 presents the mean, minimum and maximum monthly average flow for Refined Alternative 4 and the future without project. The values presented are without operation for mitigation for Indian trust water supply impacts. The average annual impact is a reduction in flow of about 79,100 AF. The impact is greatest in wet years when the pumping plant can operate at its full 280 CFS capacity. In dry years, the pumping limits to provide bypass flows in the Animas river limit impact. Minimum flows are actually enhanced at this location with the Project since the pumps are not operating and there is some return flow from the Durango municipal diversion associated with the Project.

Below the confluence with Basin Creek, the flows are enhanced by releases from Ridges Basin Reservoir. The second location of comparison is just above the confluence with the Florida River. The releases from Ridges Basin Reservoir are included in the flow at this point, resulting in an average annual reduction in flow of about 46,100 AF. The mean, minimum and maximum monthly flows for with and without project conditions appear in the center section of Table 2-6. The minimum flows are enhanced at this location due to releases from Ridges Basin to meet downstream demands.

At the confluence with the San Juan River, most of the diversions have been taken and few of the return flows are back. This is the location of maximum impact, with a mean annual reduction in flow of 93,100 AF. The bottom portion of Table 2-6 presents the mean, minimum and maximum monthly flows for with and without project conditions. These flows are below the Farmer's Mutual ditch diversion just upstream of the confluence with the San Juan River. Under historic conditions, there are shortages in the driest years, resulting in a model computed zero flow. In reality, some flow passes this point due to inability to divert 100% of the water. With the project in place, there is a small enhancement in flows at

Table 2-6
Mean, Minimum and Maximum Monthly Average Flow of the Animas River at Three
Locations with and without Refined Alternative 4

Month	without Project - CFS			with Refined Alternative 4 - CFS		
	Average	Maximum	Minimum	Average	Maximum	Minimum
Animas River below Durango Pumping Plant						
October	376	1,810	160	259	1,697	157
November	259	751	147	192	663	154
December	188	369	101	149	344	104
January	161	271	84	138	246	87
February	165	271	91	133	217	96
March	249	563	118	171	495	123
April	829	1,787	238	667	1,693	207
May	2,308	4,586	501	2,114	4,342	431
June	2,827	5,385	398	2,611	5,157	376
July	1,149	3,092	197	983	2,821	216
August	554	1,544	196	436	1,365	214
September	439	1,715	143	341	1,558	158
Average	792	1,845	198	683	1,716	194
Minimum	161	271	84	133	217	87
Maximum	2,827	5,385	501	2,611	5,157	431
Animas River above Florida Confluence						
October	417	2,072	173	348	2,006	182
November	308	904	172	279	855	209
December	230	480	153	201	465	139
January	202	322	103	190	307	116
February	214	423	116	206	392	144
March	368	972	120	317	925	152
April	1,016	2,065	279	892	1,889	287
May	2,353	4,874	417	2,206	4,677	402
June	2,832	5,736	334	2,704	5,594	416
July	1,167	3,276	152	1,072	3,074	253
August	549	1,630	161	509	1,524	270
September	456	1,807	116	427	1,714	212
Average	843	2,047	191	779	1,952	232
Minimum	202	322	103	190	307	116
Maximum	2,832	5,736	417	2,704	5,594	416
Animas River at Farmington (San Juan Confluence)						
October	398	2,675	92	261	2,540	51
November	348	1,164	189	264	1,059	166
December	273	564	176	229	534	148
January	238	378	114	210	348	111
February	248	448	127	206	384	121
March	432	1,011	127	342	925	120
April	953	2,497	32	774	2,233	5
May	2,193	4,962	222	1,977	4,696	138
June	2,741	5,898	47	2,486	5,630	5
July	955	3,408	-	761	3,106	4
August	347	1,583	-	200	1,370	4
September	317	1,749	-	193	1,561	4
Average	787	2,195	94	659	2,032	73
Minimum	238	378	-	193	348	4
Maximum	5,808	9,808	222	7,486	6,630	166

this point. The model configuration takes all the Ute diversions by this point, while the planned diversion point for the gas powerplant would actually be downstream on the San Juan River. Therefore, the stream flow impacts are somewhat overstated.

The impacts to the Animas River are greatest during wet periods when there are no restrictions on pumping plant operation, although percentage impacts for the Animas River at the San Juan River confluence are greatest in moderately dry months. In the driest months, occurring during the irrigation season, there is no significant change in flows at the San Juan River confluence since the lowest diversion is typically water short in these dry periods and takes all the available water under either condition.

The above analysis is based on average monthly flows. To demonstrate daily effects, the daily flows of the Animas River below the Durango pumping plant were plotted for a typical average, wet and dry year for conditions with and without the project in Figures 2-4 through 2-6. Detailed model output for Refined Alternative 4 appears in **Model Results - Refined Alternative 4** at the end of this document.

LaPlata River Impacts from Refined Alternative 4

The LaPlata River would be impacted from the State Line to the confluence with the San Juan River. No project diversions are taken from the LaPlata River, but return flow from a number of the non-binding uses would be added to the flow. It has been assumed that these return flows would enter at the Colorado/New Mexico state line. The flows in this reach of the river would be enhanced by about 15,500 AF per year.

The average, maximum and minimum monthly average flows with and without the project appear in Table 2-7 for the LaPlata River at State Line and at the Confluence with the San Juan. The percentage increase during low flow periods would be substantial. If this flow is to stay in the stream, a mechanism of protecting these flows would be needed. Otherwise, the water-short irrigations in New Mexico would simply divert this extra available water to meet their irrigation demands, thus increasing the depletions lower in the system.

Under the assumptions of the model, the flows in the LaPlata River would be enhanced with no adverse impact to any irrigator. If the water remains in the stream, then it would become available for aquatic resource enhancement, requiring a mechanism to protect the flow. If the enhancement does not remain in the stream, but is taken by the water-short irrigators, there would be a positive impact to their water supply and no impact to the supply for aquatic resources. In this latter case, the additional depletion from the system could have a downstream impact that has not been analyzed.

If the flow stays in the River, Figures 2-7 through 2-9 show the impact to the hydrograph for typical dry, average and wet years. Detailed model output for Refined Alternative 4 impacts to the LaPlata River appears in **Model Results - Refined Alternative 4** at the end of this document.

In the case of the LaPlata River, the assumption of 50% efficiency for all uses is not the extreme condition. Since flows are enhanced in the LaPlata river from project operation, the enhancement is actually much less under the non-binding use scenario with the delivery to power plants and golf courses at the appropriate efficiency. In this case, the return flow would be reduced to about 1,400 AF, a relatively insignificant enhancement.

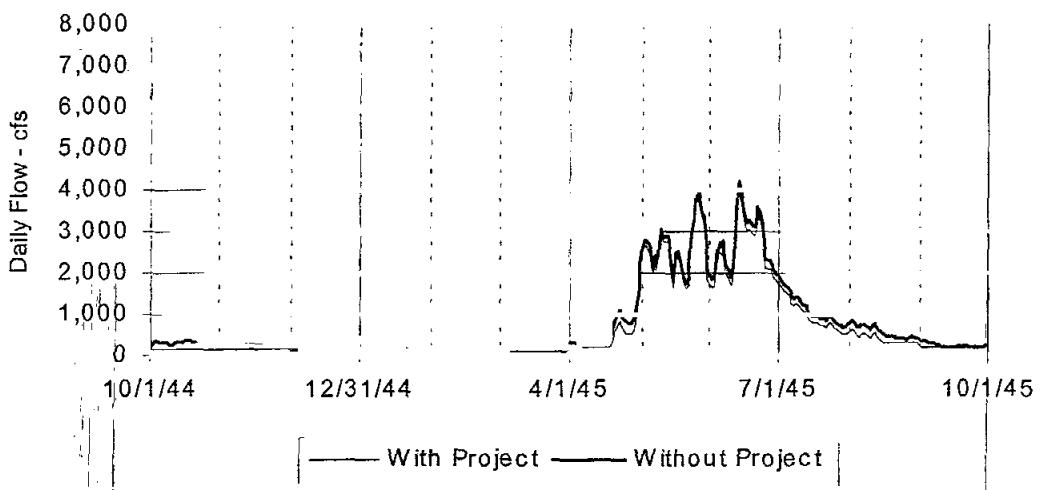


Figure 2-4. Typical Average Year (1945) Hydrograph for the Animas River below the Durango Pumping Plant for Refined Alternative 4 compared to the Future without Project

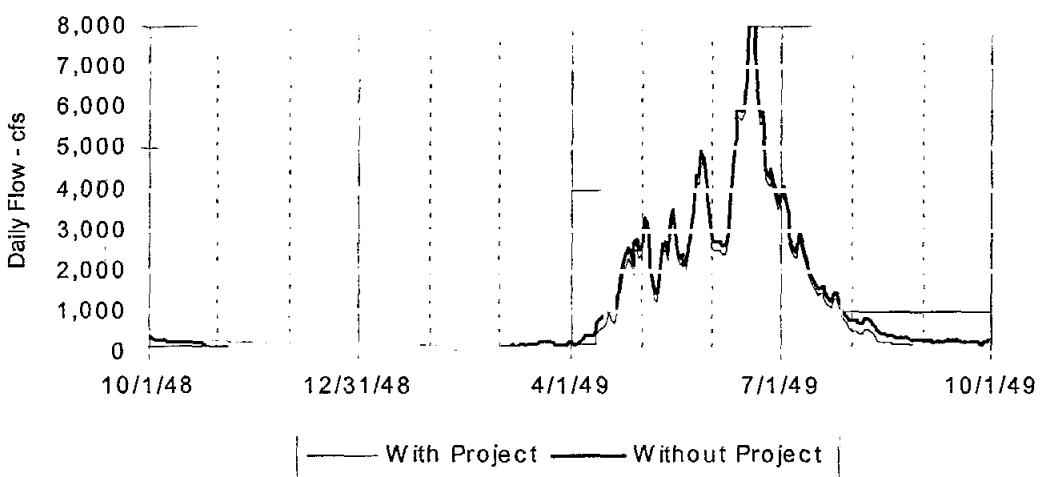


Figure 2-5. Typical Wet Year (1949) Hydrograph for the Animas River below the Durango Pumping Plant for Conditions with and Without the Project

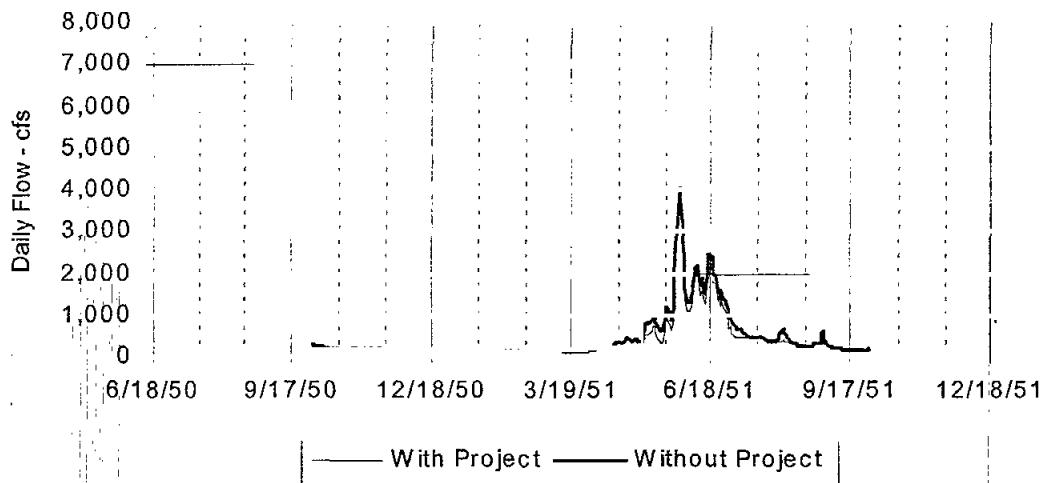


Figure 2-6. Typical Dry Year (1951) Hydrograph for the Animas River below the Durango Pumping Plant for Refined Alternative 4 compared to the Future without Project

Table 2-7
**Mean, Minimum and Maximum Monthly Average Flow of the LaPlata River at Two
 Locations with and without Refined Alternative 4**

Month	Without Project - CFS			With Refined Alt. 4 - CFS		
	Average	Maximum	Minimum	Average	Maximum	Minimum
LaPlata River at Colorado/New Mexico State Line						
October	11.7	113.0	2.7	34.2	135.5	25.2
November	9.1	79.1	1.1	27.1	97.1	19.1
December	9.4	52.0	0.9	14.8	57.3	6.3
January	9.3	28.3	1.1	14.6	33.6	6.4
February	14.3	46.9	0.7	25.5	58.1	11.9
March	33.7	127.8	2.3	46.3	140.4	14.9
April	107.9	360.5	10.4	126.1	378.7	28.6
May	129.6	456.5	15.1	152.5	479.3	38.0
June	104.4	590.4	25.6	146.2	632.3	67.4
July	46.1	277.9	10.0	79.2	311.0	43.2
August	16.9	55.3	1.5	52.1	90.5	36.7
September	<u>12.0</u>	<u>92.3</u>	<u>1.2</u>	<u>43.1</u>	<u>123.5</u>	<u>32.3</u>
Average	42.0	190.0	6.0	63.5	211.4	27.5
Minimum	9.1	28.3	0.7	14.6	33.6	6.3
Maximum	129.6	590.4	25.6	152.5	632.3	67.4
LaPlata River at San Juan River Confluence						
October	11.0	127.8	1.7	33.5	150.3	24.2
November	9.1	139.2	0.1	27.1	157.2	18.1
December	12.8	71.4	0.1	18.1	76.7	5.5
January	16.7	97.6	0.1	22.1	102.9	5.4
February	21.5	86.3	0.2	32.6	97.5	11.4
March	30.7	163.3	0.3	43.3	175.9	12.9
April	83.4	402.5	2.5	101.6	420.7	20.7
May	75.3	412.1	6.1	98.2	435.0	28.9
June	58.5	561.2	6.8	100.3	603.0	48.7
July	29.7	315.9	8.2	62.8	349.1	41.4
August	18.7	122.9	5.9	53.9	158.1	41.1
September	<u>12.7</u>	<u>210.8</u>	<u>2.7</u>	<u>43.8</u>	<u>242.0</u>	<u>33.9</u>
Average	31.7	225.9	2.9	53.1	247.4	24.3
Minimum	9.1	71.4	0.1	18.1	76.7	5.4
Maximum	83.4	561.2	8.2	101.6	603.0	48.7

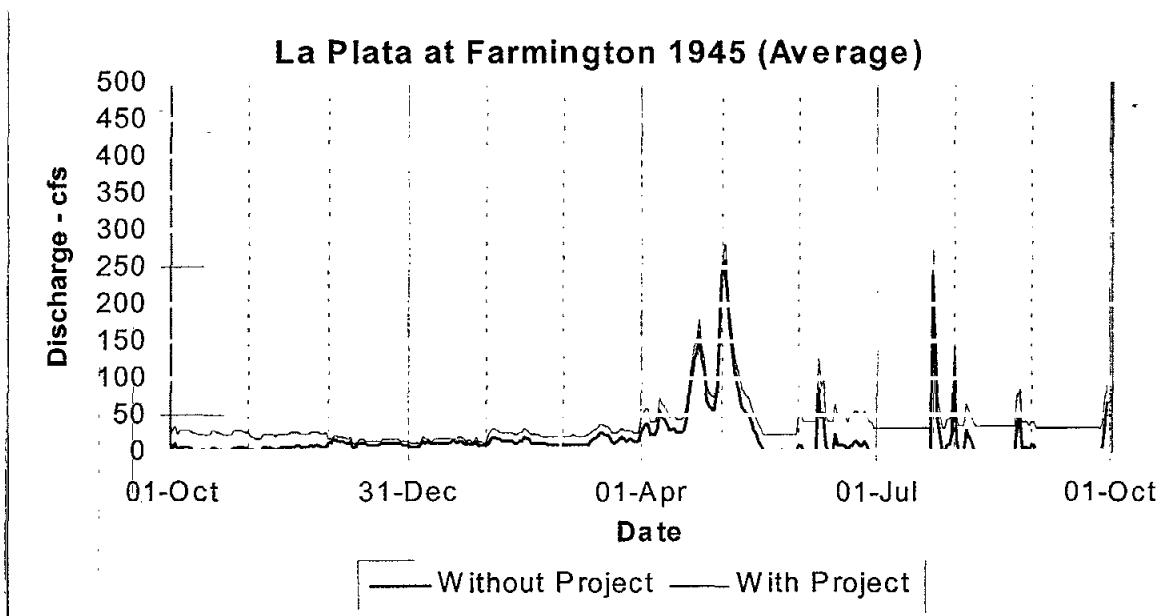


Figure 2-7. Typical Average Year (1945) Hydrograph for the LaPlata River at Farmington for Refined Alternative 4 Compared to the Future without Project

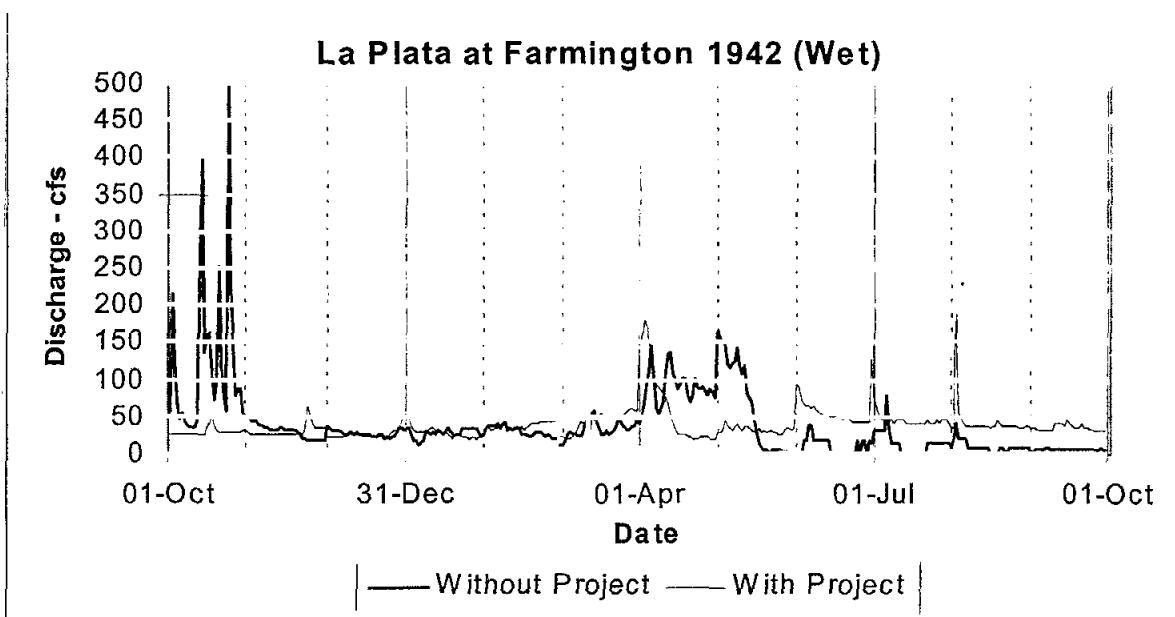


Figure 2-8. Typical Wet Year (1942) Hydrograph for the LaPlata River at Farmington for the Preferred Alternative Compared to the Future without Project

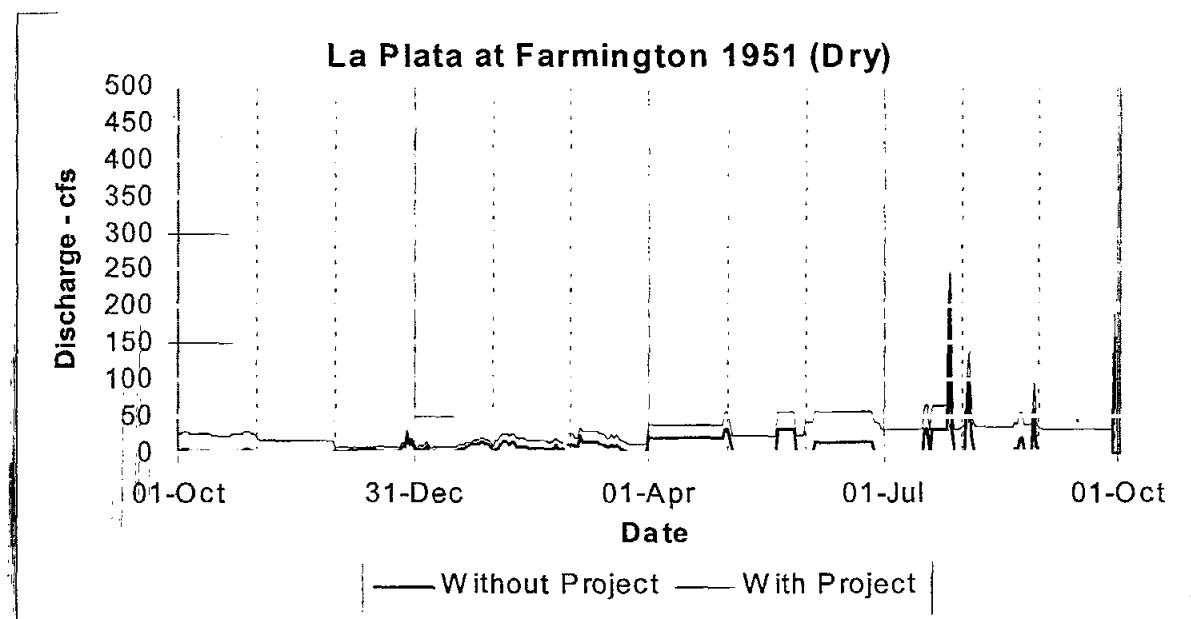


Figure 2-9. Typical Dry Year (1951) Hydrograph for the LaPlata River at Farmington for the Preferred Alternative Compared to the Future without Project

Mancos River Impacts from Refined Alternative 4

Return flows from the Ute Mountain Ute resort and golf course would enhance flows in the Mancos river from the highway 666 bridge to the confluence with the San Juan River. The average annual enhancement would be about 500 AF or approximately 1% of the average annual runoff of around 38,000 AF. While the impact is positive, it is also negligible. Since the impact is so small, the model output is not shown.

San Juan River Impacts for Refined Alternative 4

The project effect on the San Juan River varies somewhat between the confluence with the Animas and Four Corners as return flow enters the system. The greatest impact, 80,700 AFA, occurs between the confluence with the Animas and the confluence with the LaPlata rivers. This is a short reach of river, the minimum flow requirements for endangered fish are met and the percent impact (about 2% of total flow) is small. The Four Corners gage has been the typical location for analyzing flows for endangered fish. Therefore, all impacts are analyzed at Four Corners, New Mexico.

At this point all return flows from the various components of the project are in the river, so the net impact at this location is 57,100 AF. The statistics of the flows at this location over the 65-year modeling period appear in Table 2-8. Statistics are shown for the with and without project conditions, compared to current, pre- and post-dam conditions. The flow criteria are shown for the parameters specified in the flow recommendation report (Holden, 1999). All flow recommendations are met. Also shown are the conditions with operation for mitigation of impacts to Indian trust water rights. With mitigation, about 8,000 afy of Indian trust water supply could be developed, a reduction of about 12,000 afy from the baseline condition and an increase of about 2,000 afy from project operation without mitigation. This

mitigation operation requires heavier drawdown in Ridges Basin Reservoir in dry years than under the non-mitigation condition.

Table 2-9 summarizes the mean, maximum and minimum monthly average flows of the San Juan River at Four Corners, New Mexico, with and without the project, with no Indian trust water supply mitigation. With mitigation, the overall impact is the same, but the timing of flows is slightly and insignificantly different. In the driest winter months, the flows are the same for with and without project conditions since Navajo Dam is operated to maintain a minimum flow at this location. The impacts in the other months are small.

To visualize the effect on the river on a daily basis, a typical average, wet and dry year was chosen and the daily average streamflow plotted for conditions with and without the project. These plots appear Figures 2-10 through 2-12. Detailed model output for Refined Alternative 4 impacts to the San Juan River appears in **Model Results - Refined Alternative 4** at the end of this document.

The impacts to streamflow are small and do not affect any of the significance criteria with the exception of impact to the Indian trust water supply. This is the only non-mitigated impact of significance to the water resources.

Table 2-8
Mean Monthly Flows for the San Juan River at Four Corners, NM (U.S.G.S. Gage) with Refined Alternative 4 and without (Baseline Condition) Project for the Modeled Period 1929-1993

Month	Baseline (Without Project)			With Refined Alternative 4		
	Mean Monthly Flow - CFS			Mean Monthly Flow - CFS		
	Average	Maximum	Minimum	Average	Maximum	Minimum
October	948	6,421	536	901	6,272	536
November	756	3,147	542	720	3,085	542
December	693	1,852	542	679	1,834	542
January	653	1,085	542	647	1,041	542
February	796	2,001	542	787	2,012	542
March	1,333	6,053	541	1,221	5,918	541
April	2,432	7,401	531	2,280	7,332	531
May	4,593	12,261	852	4,355	12,048	772
June	5,113	10,113	952	4,954	9,952	829
July	1,512	5,017	643	1,409	4,869	625
August	1,031	4,341	569	999	4,189	569
September	901	3,626	538	877	3,489	538
Average	1,730	5,277	611	1,652	5,170	592
Minimum	653	1,085	531	647	1,041	531
Maximum	5,113	12,261	952	4,954	12,048	829

Table 2-9 Summary of Flow Statistics for San Juan River at Four Corners, NM for Pre- and Post-dam Historic Flows, Current Development Level, ALP Baseline Conditions with and Without Indian Trust Lands and with Refined Alternative 4 with and without Indian Trust Water for Period 1929-1993

Parameter	Pre-dam 1929-61	Post-dam 1962-91	Current Modeled		Baseline (w/o Project)	Baseline 1929-93	W/ Project + 20,000 AF	W/ Project no + 8,000 AF	Flow recommendation	Flow Limits
			1929-93	1929-93						
Average Peak Daily Runoff - CFS	12,409	6,749	10,041	8,821			8,963	8,629	8,645	
Average Runoff (March-July) - AF	1,263,890	891,712	1,042,635	904,749			887,484	858,410	851,502	
Peak>10,000 CFS - frequency	55%	20%	43%	42%			42%	42%	42%	
Peak>8,000 CFS - frequency	67%	37%	77%	62%			62%	60%	62%	
Peak>5,000 CFS - frequency	91%	53%	97%	74%			77%	77%	77%	
Peak>2,500 CFS - frequency	100%	90%	100%	98%			98%	97%	97%	
AF>1,000,000 - frequency	55%	40%	42%	38%			37%	34%	32%	
AF>750,000 - frequency	67%	47%	63%	54%			51%	48%	48%	
AF>500,000 - frequency	91%	67%	82%	68%			68%	66%	66%	
>10,000 CFS for 5 days - frequency	39%	13%	35%	31%			31%	28%	28%	
>8,000 CFS for 10 days - frequency	45%	17%	46%	42%			40%	40%	40%	
>5,000 CFS for 21 days - frequency	64%	37%	68%	60%			51%	57%	55%	
>2,500 CFS for 10 days - frequency	100%	83%	97%	86%			88%	80%	80%	
Maximum years between flow events for minimum duration										
10,000 CFS - 5 days	4	14	6	9			9	9	9	
8,000 CFS - 10 days	4	7	6	6			6	6	6	
5,000 CFS - 21 days	4	7	3	4			4	4	4	
2,500 CFS - 10 days	0	1	1	2			2	2	2	
Non-corrected Perturbation	12%	27%	17%	22%			23%	22%	23%	
Average Date of Peak	31-May	01-Jun	04-Jun	04-Jun			04-Jun	04-Jun	04-Jun	
Standard Deviation of Peak Date	23	35	12	14			14	16	16	
Days > 10,000 CFS	14	3	6	5			5	4	4	
Days > 8,000 CFS	23	8	16	13			13	12	12	
Days > 5,000 CFS	46	28	43	34			33	33	32	
Days > 2,500 CFS	82	67	71	59			57	56	55	
Meets recommendation			yes	yes			yes	yes	yes	

Note: Values in bold indicate non-compliance with standard

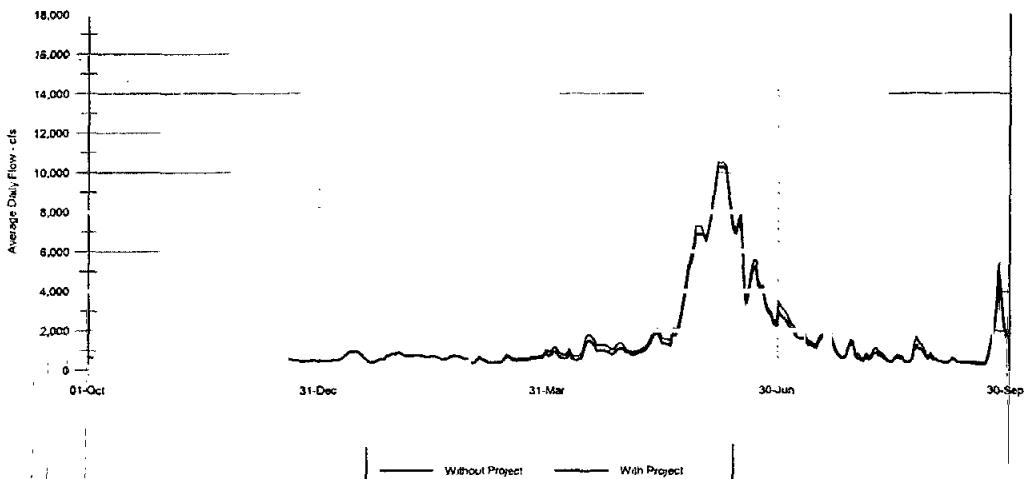


Figure 2-10. Typical Average Year (1935) Hydrograph for the San Juan River at Four Corners, New Mexico for Refined Alternative 4 compared to the Future without Project

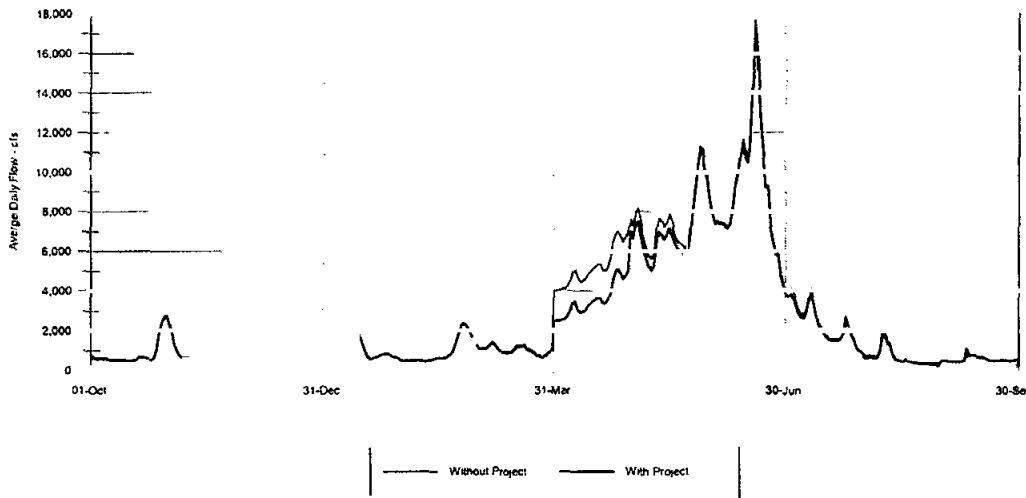


Figure 2-11. Typical Wet Year (1949) Hydrograph for the San Juan River at Four Corners, New Mexico for Refined Alternative 4 compared to the Future without Project

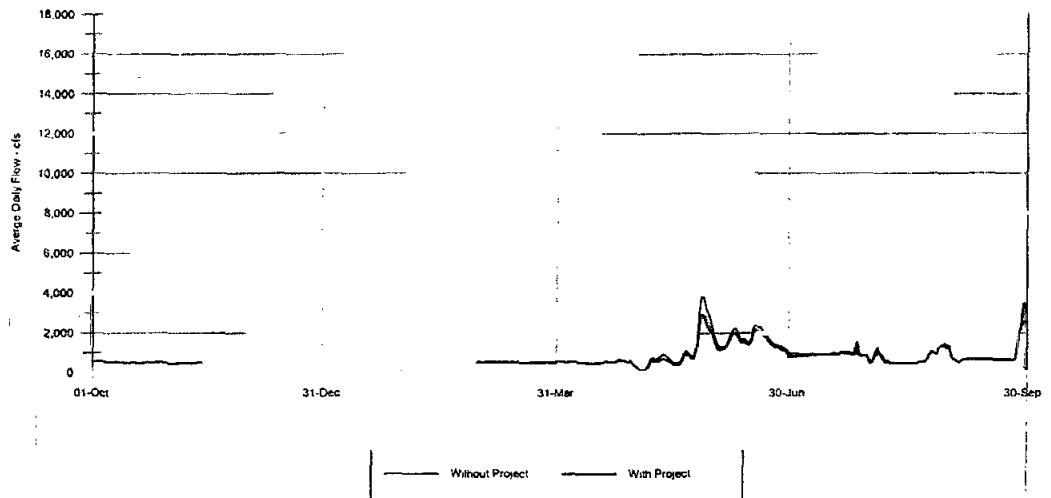


Figure 2-12. Typical Dry Year (1951) Hydrograph for the San Juan River at Four Corners, New Mexico for Refined Alternative 4 compared to the Future without Project

Ridges Basin Reservoir Water Level Impacts from Operation of Refined Alternative 4

Ridges Basin Reservoir creates a new water resource in the San Juan Basin as described in Chapter 2 of the DSEIS. Without mitigation for Indian trust water supply, the minimum reservoir content during the 65 years of analysis would be 40,500 AF with a surface area of about 860 acres. A frequency plot of the reservoir content and surface area appears in Figure 2-13. The reservoir remains full about 35% of the time and has an average content of 103,800 AF. Figure 2-14 shows the reservoir content with time for the 1929-1993 modeling period.

Figure 2-15 shows the frequency distribution of reservoir content and surface area assuming the pumps are limited to maintain minimum winter flows for endangered fish with releases from Navajo at 250 CFS when Navajo reservoir content is below an elevation of 6,030 ft to provide some mitigation of impact to Indian trust water supply. In this case, the minimum reservoir content would be 20,800 AF with a surface area of about 650 acres. The reservoir would remain full about 34% of the time and have an average content of 101,200 AF. Figure 2-16 shows the reservoir content with time for the 1929-1993 modeling period.

The minimum reservoir content would drop below the target level of 30,000 AF for six months during one year in 65 (1% of the time) when the mitigation rules are in place. This impact must be balanced against the mitigation effect for Indian trust water supply impact.

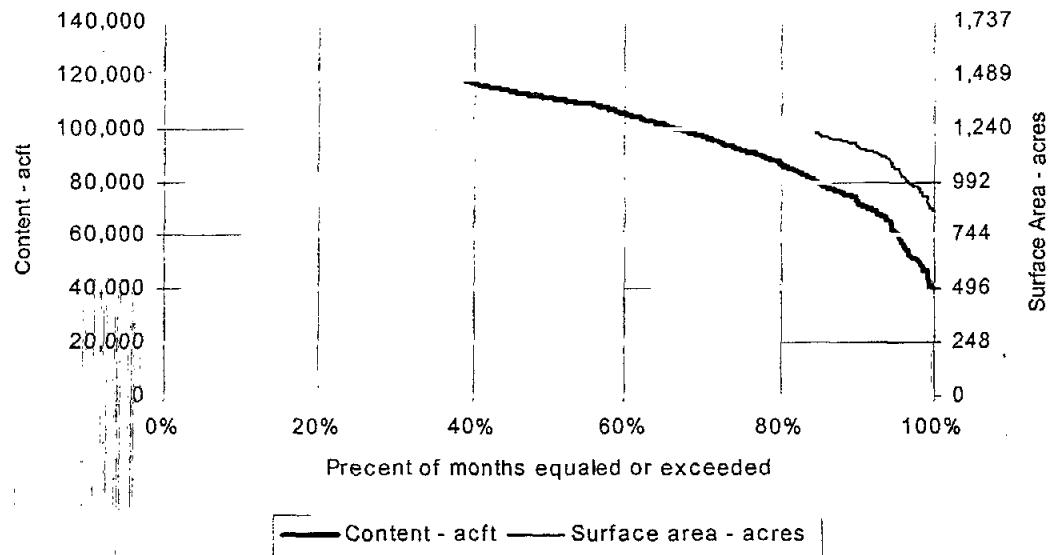


Figure 2-13. Frequency distribution of Ridges Basin End-of-month Reservoir Content for the Period 1929-1965 for Standard Operation with Refined Alternative 4

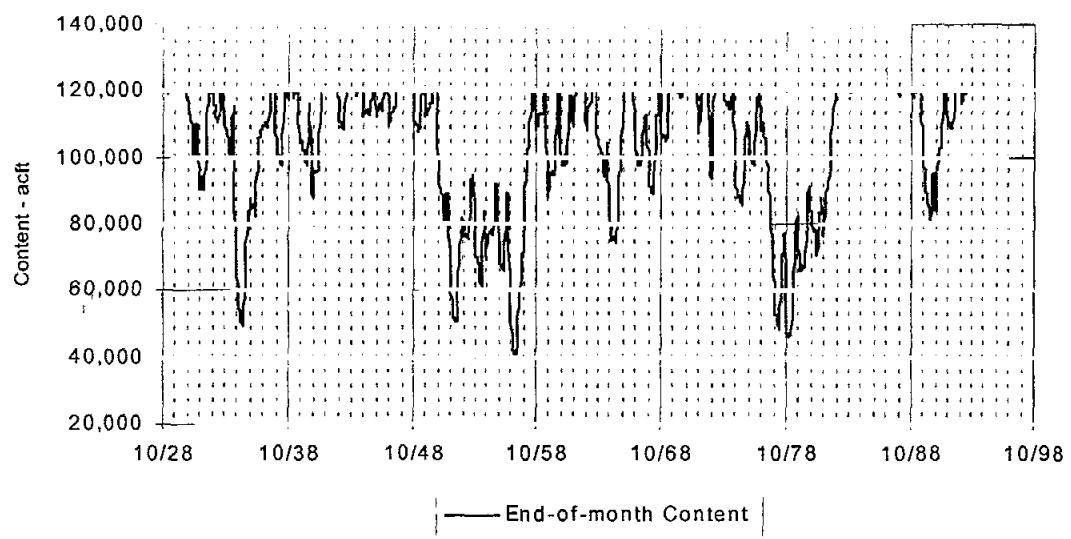


Figure 2-14. Ridges Basin End-of-month Reservoir Content for the Period 1929-1965 for Standard Operation with Refined Alternative 4

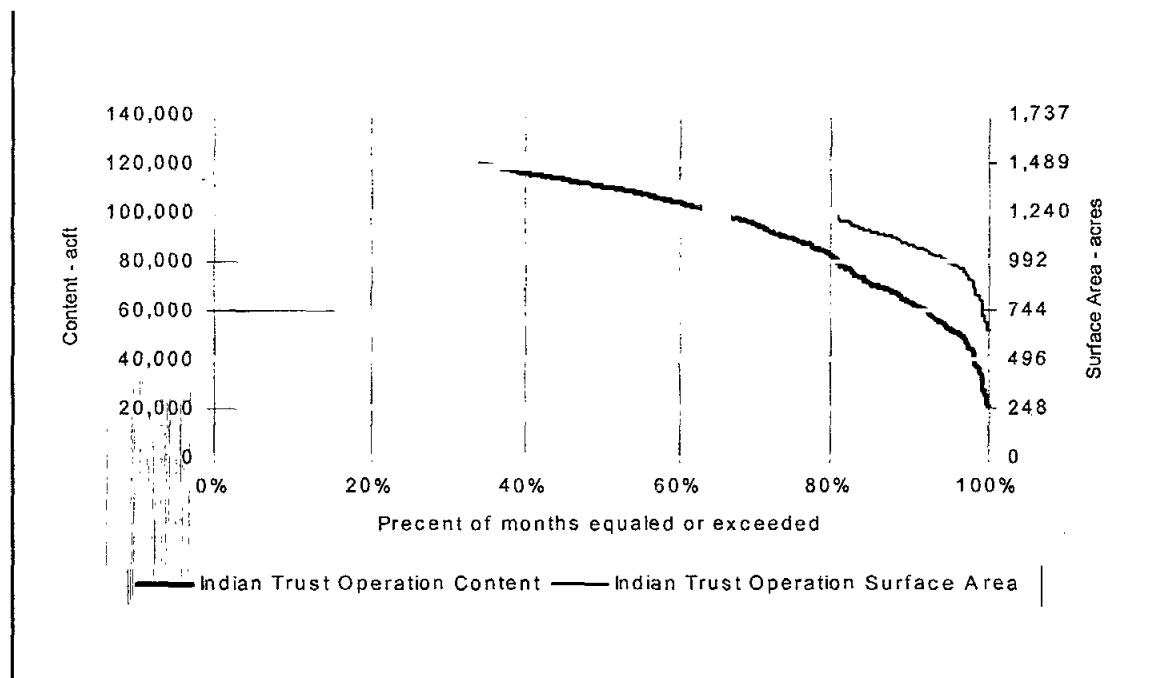


Figure 2-15. Frequency distribution of Ridges Basin End-of-month Reservoir Content for the Period 1929-1965 for Operation to Mitigate Indian Trust Water Rights Impact with Refined Alternative 4

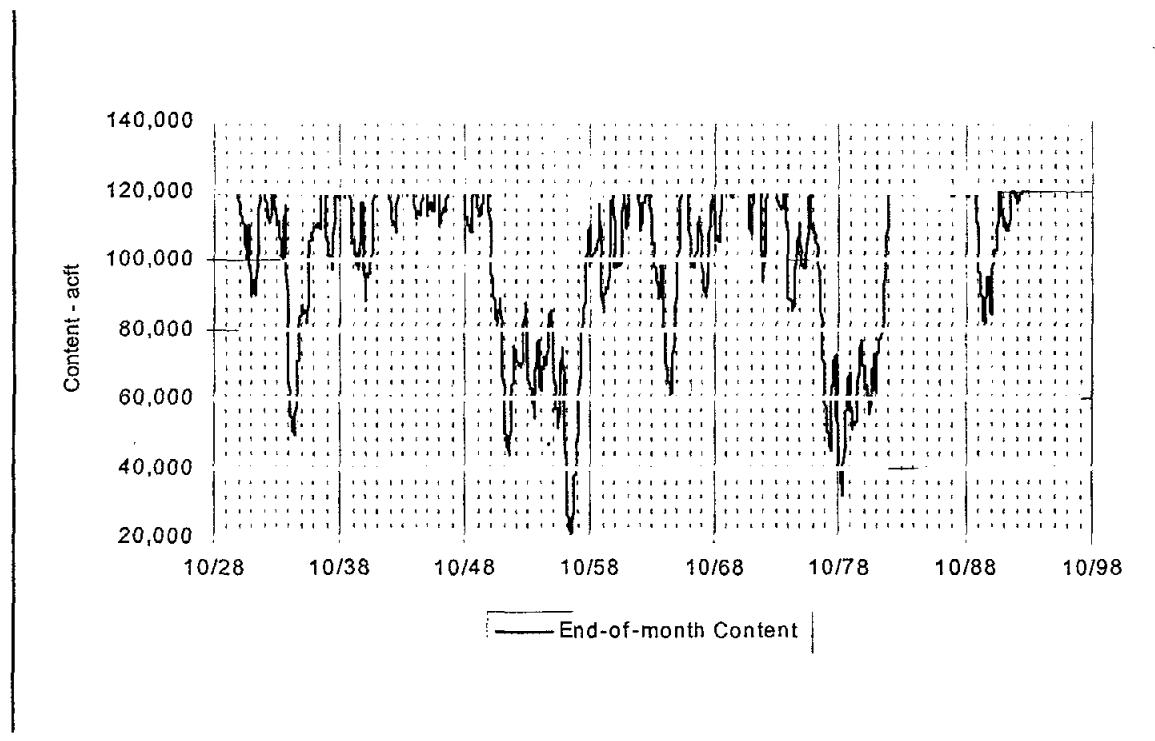


Figure 2-16. End-of-month content for Ridges Basin Reservoir for the Period 1929-1993 for Operation to Mitigate Indian Trust Water Rights Impact with Refined Alternative 4

Navajo Reservoir Water Level Impact from Operation of the Refined Alternative 4

Operation of Refined Alternative 4 depletes water that would be available to meet flow requirements for endangered fish in the San Juan River. This depleted water must be made up by releases from Navajo Reservoir. With project operation the average reservoir content drops by 25,200 AF from 1,337,300 AF (79% full) to 1,312,100 AF (77% full). The minimum reservoir elevation drops from 784,600 AF to 709,200 AF, or about 109,000 AF above the minimum allowable content. With operation for mitigation of Indian trust water supply, the average reservoir content drops to 1,296,000 AF (76% full), and the minimum drops to 678,500 AF. Figure 2-17 shows the frequency distribution of Navajo Reservoir content with time for these three operating conditions. The end-of-month content for baseline, standard operation and mitigation operation are shown in Figures 2-18, 2-19 and 2-20, respectively. These changes in reservoir levels through project operation are within the significance criteria established for evaluating impact to water resources and are therefore not significant.

Impacts of the Non-Structural Components of Refined Alternative 4

The purchase of sufficient irrigated land to acquire 13,000 afy of water right depletion will have no impact to water resources as the water is proposed to be left on the land in its historic use pattern.

Refined Alternative 6 Impact Analysis

Water resources under Refined Alternative 6 are depleted at Four Corners, New Mexico by 39,750 afy, on average, a reduction of 17,350 afy from Refined Alternative 4. Impacts to other streams in the system are quite different as well. In total, the flows in 8 Rivers are impacted by this alternative: Pine, Animas, Florida, LaPlata, Mancos, San Juan and Dolores Rivers and McElmo Creek. The results presented are based on preliminary modeling and engineering judgement. If this alternative becomes the preferred alternative, more extensive modeling will be required.

Pine River Impacts from Refined Alternative 6

The conversion of irrigation water to M&I uses with releases downstream to Navajo Dam will increase the flow in the Pine River during the irrigation months of April through October. The annual increase in flows is about 15,100 AF. The average, maximum and minimum monthly flows in the Pine River as it enters Navajo Dam with and without this alternative are shown in Table 2-10, along with the change in flow. Winter flows are not altered. The projected monthly flows for the full modeled period appear in **Model Output - Refined Alternative 6** at the end of this appendix. This gain is accomplished by transferring the depletion associated with 10,000 acres of irrigated land to M&I use. Incidental losses associated with irrigation losses and consumption by wetlands is not transferred, but remains available for the support of such use.

The extent to which flows are altered higher in the system depends on the location of acquired flows and the nature of the transfer. If the diversion remains in place with the previous depletion routed back to the river as increased return flow, then the enhancements would occur below the return flow points. If the depletion amount is passed down the river at the diversion (the most likely scenario) the increase in river flow would occur higher in the system and be more beneficial. There are reaches in the pine river that are dewatered during low flow years below diversion points that would be enhanced by releasing this water down river. In either operating scenario, flow could be left in the canals to meet the historic demands for the wetlands associated with these irrigated parcels. A method of water delivery to the wetlands would be required. The impacts to the lower pine river are potentially beneficial.

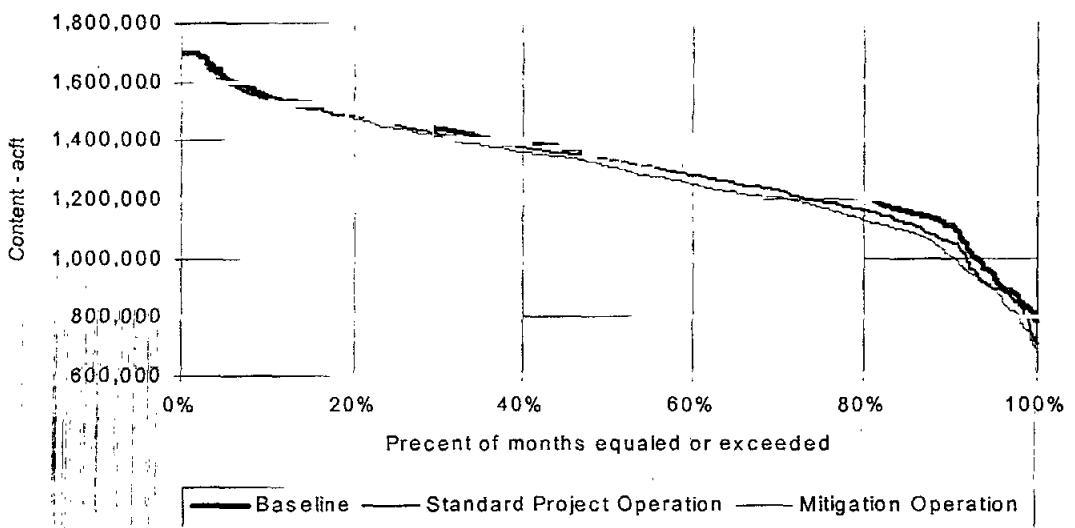


Figure 2-17. Frequency Distribution of Navajo Reservoir Content for the Period 1929-1993 under Baseline, Standard Project Operation and Operation for Mitigation of Impacts to Indian Trust Water Supply with Refined Alternative 4

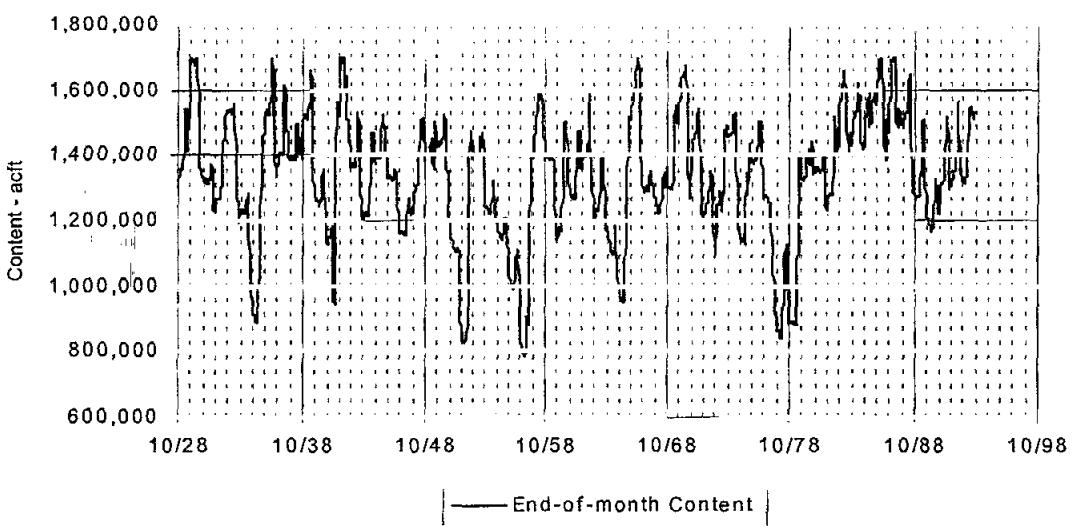


Figure 2-18. Navajo Reservoir End-of-month Content for the Period 1929-1993 under Baseline Operating Conditions with Refined Alternative 4

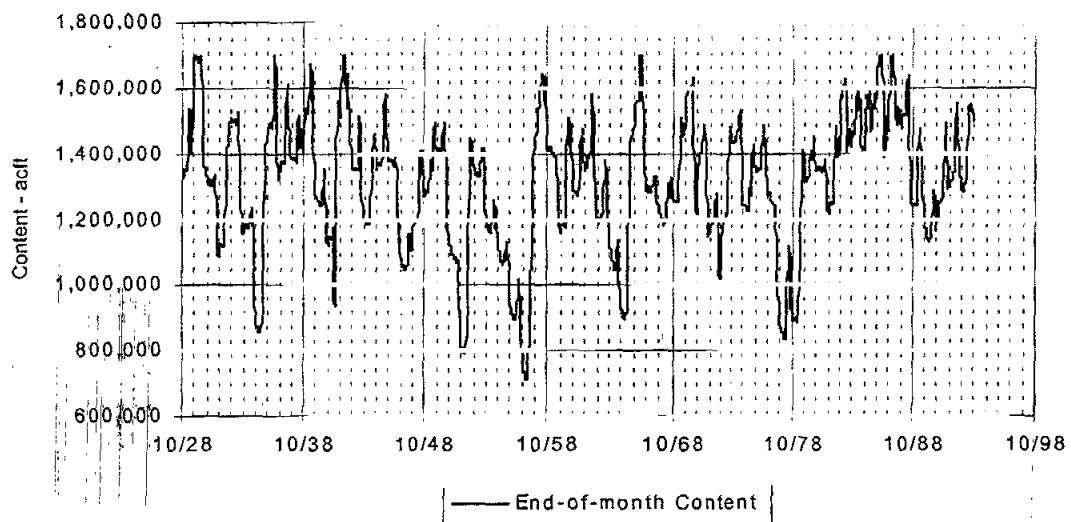


Figure 2-19. Navajo Reservoir End-of-month Content for the Period 1929-1993 under Standard Project Operating Conditions with Refined Alternative 4

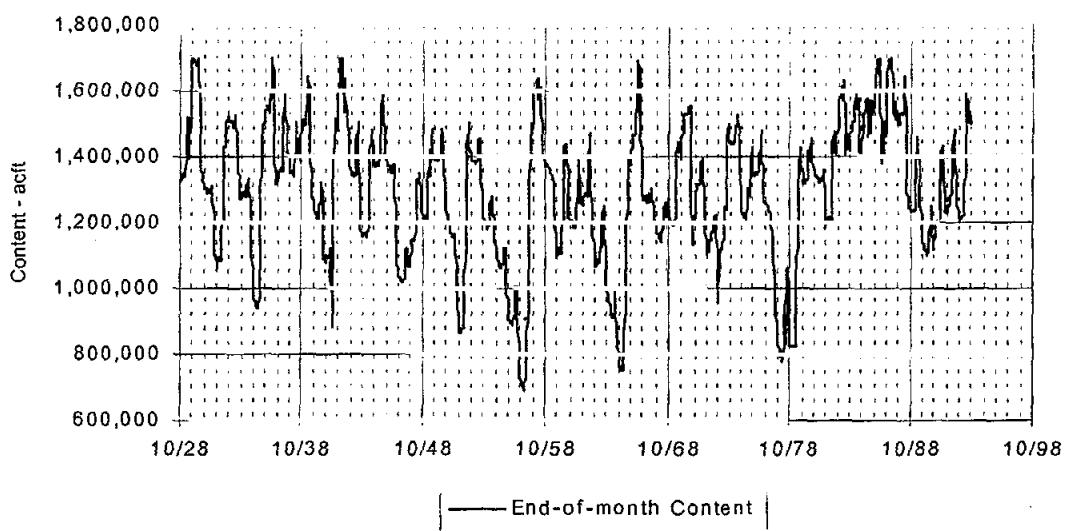


Figure 2-20. Navajo Reservoir End-of-month Content for the Period 1929-1993 under Operating Conditions Designed for Mitigation of Impacts in Indian Trust Water Supply

Table 2-10
**Mean monthly average, maximum and minimum flow (cfs) in the Pine River for
 Refined Alternative 6 compared to the Future without Project, 1929-1993**

Month	Future without project - cfs			Refined Alternative 6 - cfs			Change-cfs average
	average	maximum	minimum	average	maximum	minimum	
October	267	1,266	12	275	1,266	12	8
November	205	669	20	205	669	20	-
December	154	332	22	154	332	22	-
January	34	67	6	34	67	6	-
February	64	171	18	64	171	18	-
March	264	693	66	264	693	66	0
April	414	1,341	62	421	1,349	73	8
May	410	1,846	104	441	1,874	113	31
June	731	1,944	301	790	1,999	343	59
July	440	1,140	203	504	1,178	249	64
August	361	919	179	410	948	225	49
September	348	944	26	376	948	28	29
Average	308	944	85	328	958	98	21
Minimum	34	67	6	34	67	6	-
Maximum	731	1,944	301	790	1,999	343	64

Florida River Impacts from Refined Alternative 6

The increase in the capacity of Lemon Reservoir by 10,000 AF and the use of this extra capacity to supplement available stream flow from the Animas River to meet project demands will alter the flow in the Florida River. While this configuration has been included in the model, assignment of priority and allocation of the new storage volume was not completed due to time constraints and model limitations. In the model, the increased storage was sufficient to meet the project demands, but also increased deliveries to irrigation demands that were historically short in the Florida basin and induced shortages to some downstream demands in the Animas. A post-model analysis of the results indicated that with proper allocation of storage and priority of delivery, all existing uses could be met at the same level they were historically met while the project demands were also met. It is anticipated that the transfers from Lemon Reservoir to the Animas River to supplement supplies for project needs would average about 500 AF per year, ranging from zero to about 1,500 AF per year. The net result will be a decrease in flow in the Florida River, primarily during runoff as the extra reservoir capacity fills. Other months should see a slight increase in flow due to project return flows. Detailed model results are not included since they do not accurately reflect the operation of the system.

Animas River Impacts from Refined Alternative 6

Average minimum and maximum monthly flows resulting from operation of Refined Alternative 6 are shown in Table 2-11, compared to without project conditions for the Animas River below the City of Durango pumping plant and above the confluence with the Florida River. At Durango, the average monthly flows are reduced from the without project condition by about 13 CFS, compared to 109 CFS for Refined Alternative 4. No diversion is taken when flows are below the target levels described earlier. Supplemental water is delivered from Lemon or Horse Gulch reservoir to meet demands during these times.

Table 2-11
Mean, Minimum and Maximum Monthly Average Flow of the Animas River at Two Locations for Refined Alternative 6 compared to no Project

		Future without Project - cfs	Future with Refined Alternative 6 - cfs				
		Average	Maximum	Minimum	Average	Maximum	Minimum
		m					
Animas River Below Durango City Pumping Plant							
October	376	1,810	160	362	1,797	160	
November	259	751	147	249	741	147	
December	188	369	101	185	366	101	
January	161	271	84	158	269	84	
February	165	271	91	159	265	91	
March	249	563	118	242	556	118	
April	829	1,787	238	818	1,776	229	
May	2,308	4,586	501	2,293	4,571	486	
June	2,827	5,385	398	2,798	5,357	370	
July	1,149	3,092	197	1,126	3,069	197	
August	554	1,544	196	532	1,521	196	
September	439	<u>1,715</u>	<u>143</u>	<u>421</u>	<u>1,695</u>	<u>143</u>	
Average	792	1,845	198	779	1,832	193	
Minimum	161	271	84	158	265	84	
Maximum	2,827	5,385	501	2,798	5,357	486	
Animas River above Florida Confluence							
October	417	2,072	173	401	2,056	170	
November	308	904	172	296	892	171	
December	230	480	153	226	476	152	
January	202	322	103	199	318	102	
February	214	423	116	207	415	115	
March	368	972	120	360	963	119	
April	1,016	2,065	279	1,003	2,052	267	
May	2,353	4,874	417	2,334	4,856	399	
June	2,832	5,736	334	2,799	5,702	301	
July	1,167	3,276	152	1,140	3,249	147	
August	549	1,630	161	524	1,603	157	
September	456	<u>1,807</u>	<u>116</u>	<u>436</u>	<u>1,784</u>	<u>113</u>	
Average	843	2,047	191	827	2,031	184	
Minimum	202	322	103	199	318	102	
Maximum	2,832	5,736	417	2,799	5,702	300	

At the confluence with the Florida River, this alternative reduces the average monthly flow by 16 CFS compared to 63 CFS for Refined Alternative 4. The minimum flow is reduced by about 5 CFS.

The average flow at Farmington with Refined Alternative 6 has not been computed precisely since the project demands that would come from the Animas River to meet the lower Animas Basin M&I demands are actually modeled as taken from the San Juan River below Farmington to allow access to storage in Navajo Reservoir. The average monthly flow will be impacted more than 16 CFS but less than 128 CFS, the impact resulting from Refined Alternative 4. Minimum flows will remain about the same and there will be no impact to any existing water rights. The projected monthly flows for the full modeled period appear in **Model Output - Refined Alternative 6** at the end of this appendix. The reported flows at Farmington have not been corrected for the model assumptions stated above.

LaPlata River Impacts from Refined Alternative 6

Retirement of 785 acres of agricultural land and conversion of the irrigation depletion to M&I will change the timing of flows slightly above the Colorado-New Mexico state line and decrease flows by an average of 60 AF per year or 0.2% of the annual runoff. Most of the impact will be during winter months and during snow melt runoff when water is available. During late summer water will come from storage in Red Mesa Reservoir during the years storage is required. The model predicts that for a monthly analysis, 13 years out of 65 require storage, with a maximum annual storage requirement of 124 AF. To provide for in-month regulation, the storage requirement was increased to 200 AF.

From the State Line to the confluence with the San Juan River return flows from non-binding uses served by diversions from the San Juan River will increase flow by about 13,500 AF or 60%. Since this alternative has the diversion for these uses downstream of the return flow point, these flows may be designated as project waters and used to meet the diversion demand. Under state law, project waters are protected from diversion by water short irrigators along the LaPlata River. Table 2-12 shows the average, minimum and maximum flows in the LaPlata River at the confluence with the San Juan River for Refined Alternative 6 compared to the future without a project.

The percentage increase during low flow periods due to return flows would be substantial and would have a beneficial impact on the LaPlata River. However, this impact would be the result of return flows from a non-binding use and is therefore not guaranteed. Since the beneficial effect cannot be assured, the impact is determined to be not significant. The model flow resulting from this operation are shown in **Model Output - Refined Alternative 6** at the end of this appendix. The results for the LaPlata at state line do not include the influence of this element as the operation was computed external to the model.

Table 2-12
**Mean, Minimum and Maximum Monthly Average Flow of the LaPlata
 River at Farmington for Refined Alternative 6 compared to no Project**

Month	Future Without Project			Future with Refined Alternative 6		
	average	maximum	minimum	average	maximum	minimum
October	11	128	1.7	31	147	21
November	9	139	0.1	25	155	16
December	13	71	0.1	17	76	5
January	17	98	0.1	21	102	5
February	21	86	0.2	31	96	10
March	31	163	0.3	42	174	11
April	83	403	2.5	99	418	18
May	75	412	6.1	95	432	26
June	59	561	6.8	95	598	43
July	30	316	8.2	58	345	37
August	19	123	5.9	49	154	37
September	13	211	2.7	40	238	30
Average	32	226	2.9	50	245	22
Minimum	9	71	0.1	17	76	5
Maximum	83	561	8	99	598	43

San Juan River Impacts from Refined Alternative 6

Table 2-13 summarizes the mean, maximum and minimum monthly average flows of the San Juan River at Four Corners, New Mexico for refined Alternative 6. The average annual impact at this location is 39,750 AF to deliver total project depletions of 54,865 AF. The difference is made up from purchase of irrigated land and transfer of the depletion to M&I use. The impacts in all months are small, ranging from -4% to +3%. The operating rules for Navajo Dam prevent minimum flows from dropping below the prescribed level in the flow recommendation. The model flows resulting from this operation are shown in **Model Output - Refined Alternative 6** at the end of this appendix. All of the required flow recommendation criteria for endangered fish specified in Table 2-9 are met for this alternative.

Operating Navajo Reservoir to meet flow recommendations for this alternative reduces the available water to meet future Indian trust water development that depends on the water supply in Navajo Reservoir. Since Navajo Dam is operated to meet project demands in this case, no storage remains to deliver water to meet future Indian trust water development, resulting in a 20,000 afy impact. With improved operating rules for Navajo Dam, this impact may be less. This is a potentially significant impact.

Table 2-13
Mean, Minimum and Maximum Monthly Average Flow of the San Juan River at Four Corners, NM for Refined Alternative 6 compared to Future without Project Conditions

Month	Future Without Project - cfs			Future with Refined Alt. 6 - cfs		
	Average	Maximum	Minimum	Average	Maximum	Minimum
October	948	6,421	536	914	6,296	532
November	756	3,147	542	728	3,084	550
December	693	1,852	542	701	1,873	562
January	653	1,085	542	674	1,067	562
February	796	2,001	542	790	1,989	556
March	1,333	6,053	541	1,287	5,996	553
April	2,432	7,401	531	2,337	7,336	525
May	4,593	12,261	852	4,428	12,136	853
June	5,113	10,113	952	4,940	9,862	841
July	1,512	5,017	643	1,439	4,858	625
August	1,031	4,341	569	994	4,216	560
September	901	3,626	538	871	3,521	538
Average	1,730	5,277	611	1,675	5,186	605
Minimum	653	1,085	531	674	1,067	525
Maximum	5,113	12,261	952	4,940	12,136	853

Mancos River Impacts from Refined Alternative 6

Flow in the Mancos river will be about the same as historical flows in volume due to the retirement of 500 acres of agricultural lands and transfer of the water to the resort and golf course. The precision and detail of the model for the Mancos basin are not sufficient to analyze the interaction of retired irrigation acreage and the operation of Jackson Gulch Reservoir. The model predicts shortages to the Golf Course and Resort, primarily in winter months since the water from the retired irrigated acreage is not stored. The maximum shortage is about 70 AF and the average shortage less than 5 AF per year. With storage in Jackson Gulch Reservoir to hold the supply into the winter, sufficient water is available to meet the needs of this project. However, since the distance from Jackson Gulch Reservoir to the project is long, it is recommended that small on-site regulatory storage be provided (on the order of 10 AF). This is typically available as part of the golf course design. Flow will be increased between the town of Mancos and the diversion point for the Golf Course, but the change will be small. The impacts are not considered significant. Since the model does not accurately represent the flows in the river, no model results are presented.

Navajo Reservoir Impacts from Refined Alternative 6

The operation of Navajo Reservoir is impacted by operation of Refined Alternative 6 in that additional water must be released from Navajo Dam to meet downstream demands and to offset downstream impacts of the project in terms of meeting the flow requirements of the endangered fish. With this alternative the average reservoir content drops by 19,200 AF from 1,337,300 AF (79% full) to 1,318,100 AF (78% full). The minimum reservoir content drops from 784,600 AF to 642,900 AF. The modeled reservoir content resulting from this operation is shown in **Model Output - Refined Alternative 6** at the end of this appendix. The change in reservoir content and elevation is not significant.

Dolores River Impacts from Refined Alternative 6

The purchase of 657 acres served by the Montezuma Valley Irrigation Company (MVIC) with transfer of 1,051 AF of depletion to meet regional M&I demand in the Cortez, Colorado area will modify the timing of demands and return flows. Since the main water supply is from tributaries upstream of McPhie Reservoir, timing could change slightly due to the change in demand pattern. There is no change in net depletion due to this element of Refined Alternative 6. Since the main water supply is from tributaries upstream of McPhie Reservoir, timing could change slightly due to the change in demand pattern. The change in timing represents less than 0.3% of the MVIC diversion and less than 1% of the McElmo Creek flow at the Colorado-Utah state line. No existing rights will be impacted by this small change in timing. The impact is not significant.

McElmo Creek Impacts from Refined Alternative 6

The purchase of 657 acres served by the Montezuma Valley Irrigation Company (MVIC) with transfer of 1,051 AF of depletion to meet regional M&I demand in the Cortez, Colorado area would modify the timing of demands and return flows. There is no change in net depletion due to this element of Refined Alternative 6. Since the return flow enters McElmo Creek, the flows would be slightly altered. The change in timing represents less than 1% of the McElmo Creek flow at the Colorado-Utah state line. No existing rights would be impacted by this small change in timing. The impact is not significant.

Impacts due to the Non-Structural Component of Refined Alternative 6 Necessary to Provide an Additional 13,000 afy of Depletion to the Ute Tribes

The purchase of irrigated land sufficient to provide 13,000 afy of water right depletion was defined with the same assumptions as the non-structural component of Refined Alternative 4, other than the basins in which the land and water would be acquired is different. Since the water is left on the land in its historic use pattern, there would be no impact to water resources.

SUMMARY

As many as seven rivers in the San Juan River Basin plus the Dolores River may be affected by one or more of the alternatives analyzed. Even without this project, continued water development in the basin will change the hydrology of the system from the present conditions. Table 2-14 summarizes the changes expected in hydrology from the present condition as a result of the future without the project, the future with Refined Alternative 4 and the future with Refined Alternative 6.

For all conditions, there are no impacts to existing water users and the flow recommendations for endangered species are always met. The only potentially significant impact is the reduction in available supply to meet the Jicarilla Apache water right and the demand for the Navajo-Gallup project. In the case of Refined Alternative 4, the impact is 14,000 afy without mitigation and 12,000 afy with mitigation. The impact due to Refined Alternative 6 is 20,000 afy unless additional irrigated land is purchased and retired to meet these demands. Even with the ALP Project, these future Indian uses are 33,500 afy short, for a total shortage ranging from 45,500 to 53,500 afy. These impacts may be reduced by improving the operating rules for Navajo Dam to meet the flow recommendations with less total released water, allowing more water for development.

Table 2-14

Summary of changes in hydrology to rivers in the San Juan Basin from historic conditions due to future non-project development, and the additional depletions for implementation of Refined Alternative 4 and Refined Alternative 6

Resource	Future without Project	Additional Change with Refined Alternative 4 In Addition	Additional Change with Refined Alternative 6
Pine River	4,000 afy decrease in flow (1.8% of flow) if state rights are fully exercised.	No further change.	Transfer of 15,100 AF of irrigation depletion to downstream M&I use would increase flows by about 7% on average, ranging from 0 to 15% by month
Florida River	1,250 afy decrease in flow (2.7%) if state rights are fully exercised.	A small increase in flow due to return flow from M&I uses in the basin. The amount and location will depend on the location of future housing.	Average annual reduction in flow of about 500 AF (1%), ranging from 0 to 1,500 AF. All impact will occur during high flow times and will not affect water rights or base flow
Animas River	15,400 afy decrease in flow (2.7%) if state rights are fully exercised.	79,100 afy (14%) decrease in flow at Durango. 93,100 afy (17%) decrease at Confluence with San Juan.	9,700 afy (1.7%) decrease in flow at Durango. Impact not accurately modeled at confluence with San Juan, but will be less than 90,000 afy
LaPlata River	1,250 afy decrease in flow (5.5%) if state rights are fully exercised.	15,500 afy (68%) increase in flow at confluence with San Juan River if non-binding uses are fully exercised with 50% return flow. 1,400 afy increase if non-binding uses as originally proposed are implemented.	13,500 AF (60%) increase in flow at confluence with San Juan River if non-binding uses are fully exercised with 50% return flow. 60 afy decrease if non-binding uses as originally proposed are implemented.
San Juan River	205,000 afy decrease in flow (16%) at Four Corners if state rights are fully exercised and NIIP is completed	57,100 AF (4.6%) decrease in flow at Four Corners and below.	39,750 AF (3.2%) decrease in flow at Four Corners.

Table 2-14 (continued)
Summary of changes in hydrology to Rivers in the San Juan Basin from historic conditions due to future non-project development, and from future without project conditions for implementation of Refined Alternative 4 and implementation of Refined Alternative 6

Resource	Future without Project	Refined Alternative 4 In Addition to Future without Project	Refined Alternative 6 In Addition to Future without Project
Mancos River	4,000 AF decrease in flow if state rights are fully exercised.	500 AF increase in flow due to return flow from Golf Course and Resort.	No change in total flow. Small change (<2%) in timing.
Dolores River	Not computed.	No Impact.	No change in total flow. Small change (<0.3%) in timing.
McElmo Creek	Not computed.	No Impact.	No change in total flow. Small change (<1%) in timing.
Ridges Basin Reservoir	Not applicable	New reservoir with average content of 104,000 af (87% full)& minimum of 40,000 af. With operation to mitigate Indian trust water rights impact, 102,000 af (85% full) average and 20,000 AF minimum.	Not Applicable
Navajo Reservoir	Average content is 1,337,000 AF (78.7% full). Change from current condition not computed.	Average content is 1,312,000 (77.2% full), a decrease of 35,000 AF from future without project.	Average content is 1,318,000 AF (77.5% full), a decrease of 19,000 AF from future without project.

References

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MODEL OUTPUT

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. Archuleta AFM	San Juan R. Farmington AFM	San Juan R. Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
10/31/28	11,625	17,317	19,813	129	16,618	402	192	16,478	34,122	37,763	40,298	1,329,746
11/30/28	13,868	17,299	20,682	129	23,429	433	347	14,876	40,938	53,481	61,176	1,352,334
12/31/28	10,056	12,686	15,577	126	18,482	573	733	15,372	36,096	40,121	43,086	1,358,933
1/31/29	1,496	10,931	13,761	126	16,281	574	884	15,372	33,635	34,618	36,255	1,355,661
2/28/29	2,610	8,893	11,652	114	13,474	753	1,095	14,180	29,527	38,756	44,744	1,354,718
3/31/29	14,345	14,030	21,101	2,649	26,268	2,008	1,738	15,372	43,616	73,307	90,416	1,407,629
4/30/29	31,436	50,906	64,346	6,649	64,414	7,052	5,485	20,826	86,192	124,669	137,494	1,543,525
5/31/29	23,046	173,156	182,222	8,624	172,411	11,306	7,681	200,331	370,627	383,440	381,052	1,539,682
6/30/29	50,789	208,784	221,183	21,386	227,051	5,581	4,808	215,898	439,816	435,919	430,242	1,474,780
7/31/29	22,304	97,524	108,132	6,056	94,908	2,245	4,504	54,539	146,326	200,042	225,031	1,410,457
8/31/29	55,561	94,945	100,232	10,985	97,339	3,038	5,764	37,621	132,702	266,918	334,471	1,557,252
9/30/29	48,677	77,917	81,787	9,364	83,707	658	985	34,134	117,296	215,764	267,113	1,689,768
10/31/29	25,023	37,592	41,417	3,123	43,304	568	206	61,674	105,944	110,369	113,607	1,701,300
11/30/29	14,707	17,513	20,752	1,576	25,081	169	120	36,592	64,501	64,998	66,409	1,701,300
12/31/29	9,943	11,428	14,012	629	17,124	285	411	38,277	57,774	60,279	62,704	1,684,581
1/31/30	1,578	9,180	11,689	126	13,744	349	658	17,975	33,806	33,348	34,326	1,677,912
2/28/30	2,900	10,682	13,868	473	16,611	691	1,023	13,884	32,473	44,302	54,084	1,688,153
3/31/30	12,083	14,775	21,898	3,697	27,254	1,999	1,461	33,419	62,281	62,017	69,516	1,696,727
4/30/30	18,253	64,394	76,731	6,104	73,222	5,398	2,481	133,884	206,807	209,716	208,340	1,699,891
5/31/30	9,867	105,948	107,534	9,410	98,278	4,837	1,742	200,331	297,166	293,968	289,735	1,555,800
6/30/30	24,953	152,171	151,034	12,071	140,821	3,684	800	211,240	349,013	386,264	404,251	1,380,963
7/31/30	16,520	52,701	54,562	4,060	37,909	1,380	712	15,372	50,414	71,575	84,274	1,350,762
8/31/30	18,751	49,025	47,408	9,552	37,168	1,535	755	15,372	49,514	127,654	170,650	1,356,546
9/30/30	12,425	18,460	18,876	4,999	11,509	566	296	24,407	34,631	33,843	35,297	1,318,888
10/31/30	16,312	16,556	17,661	1,320	15,068	345	138	19,728	35,752	33,217	32,962	1,319,364
11/30/30	13,085	11,295	13,136	122	14,579	204	123	15,360	32,637	32,277	33,209	1,326,489
12/31/30	9,600	9,045	10,710	126	12,416	277	303	19,137	33,829	33,356	34,202	1,327,973
1/31/31	1,349	7,871	9,418	126	10,770	213	312	21,416	34,196	33,352	34,183	1,317,084
2/28/31	2,057	6,155	7,495	114	8,350	290	351	19,389	29,639	42,871	51,368	1,312,420
3/31/31	7,577	7,635	10,486	186	10,690	596	386	22,089	34,553	33,292	34,596	1,317,035
4/30/31	9,864	14,897	17,417	1,098	11,175	2,001	914	23,110	34,722	31,616	33,071	1,336,416
5/31/31	12,745	59,944	58,732	6,561	46,515	3,455	508	15,372	59,867	53,865	50,615	1,373,200
6/30/31	22,945	84,671	81,898	12,234	69,963	2,896	793	14,876	81,647	102,734	113,934	1,365,175
7/31/31	22,923	30,336	30,773	8,735	16,779	1,921	907	20,675	34,398	67,358	87,052	1,304,442
8/31/31	20,386	21,287	19,318	2,318	2,414	765	778	36,085	35,274	56,736	69,619	1,237,736
9/30/31	12,732	19,598	19,489	1,647	11,218	110	583	21,450	32,244	46,875	55,545	1,228,274
10/31/31	7,022	24,102	25,992	1,477	25,418	194	186	15,372	42,083	77,999	97,449	1,260,297

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
11/30/31	3,015	11,144	13,344	123	14,865	491	434	14,876	32,365	42,635	49,184	1,268,906
12/31/31	3,996	10,119	12,485	126	14,639	609	872	15,909	32,776	38,228	42,000	1,269,218
1/31/32	2,583	8,995	11,560	126	13,505	901	1,429	17,683	33,159	33,348	34,223	1,266,216
2/29/32	6,213	9,121	12,263	118	14,221	1,248	1,762	14,380	30,501	115,078	160,008	1,303,044
3/31/32	24,467	20,203	30,542	1,618	36,669	3,182	2,675	138,347	176,980	184,799	188,984	1,305,877
4/30/32	47,455	71,344	89,244	3,546	86,214	10,315	7,371	193,388	280,298	299,791	298,371	1,430,848
5/31/32	43,399	204,804	210,746	3,860	199,021	10,758	6,071	307,438	505,314	516,533	512,464	1,438,199
6/30/32	67,806	206,890	212,529	14,258	211,083	5,133	3,289	212,161	420,129	415,439	410,238	1,451,674
7/31/32	26,719	101,376	104,982	6,853	90,860	887	880	15,372	103,094	109,086	112,305	1,493,629
8/31/32	33,590	61,074	59,846	6,053	48,942	337	1,951	15,372	61,941	95,128	113,766	1,534,198
9/30/32	23,254	24,636	25,058	4,830	17,926	559	439	14,876	31,622	58,536	74,244	1,529,407
10/31/32	17,321	16,264	17,414	1,177	14,969	383	176	18,262	34,186	35,228	36,827	1,535,120
11/30/32	11,980	12,494	14,329	123	15,802	365	250	14,876	33,221	33,019	34,136	1,542,002
12/31/32	9,355	8,651	10,088	126	11,570	452	478	20,020	33,745	33,351	34,133	1,540,681
1/31/33	1,326	5,188	6,353	126	7,001	346	522	25,012	33,926	34,451	35,865	1,529,559
2/28/33	2,670	5,055	6,439	114	7,053	496	655	20,618	29,474	42,320	50,408	1,523,232
3/31/33	12,395	11,331	15,911	3,117	20,358	1,236	893	15,372	37,637	43,174	48,043	1,549,136
4/30/33	16,985	21,097	25,773	5,012	26,911	3,127	2,471	20,826	49,864	48,249	47,453	1,560,365
5/31/33	9,804	84,176	86,029	5,769	75,107	5,083	2,768	200,331	274,556	271,769	267,377	1,391,686
6/30/33	24,340	174,059	169,436	14,532	163,067	3,076	683	211,240	370,934	380,857	385,132	1,290,906
7/31/33	17,079	53,609	53,577	9,530	40,186	2,223	816	15,372	52,305	95,545	118,331	1,250,318
8/31/33	20,378	20,038	20,048	8,670	10,304	1,169	749	28,869	35,743	54,372	66,390	1,192,873
9/30/33	10,387	25,119	25,767	3,174	19,049	229	355	14,876	33,479	66,630	85,522	1,201,250
10/31/33	18,392	17,852	18,960	1,576	16,310	467	173	15,372	32,873	56,995	70,142	1,223,978
11/30/33	12,833	10,507	12,313	127	12,834	211	129	17,206	32,654	32,295	33,194	1,232,817
12/31/33	9,797	9,260	11,047	126	12,326	335	437	18,471	33,075	38,422	42,148	1,235,462
1/31/34	1,430	7,497	9,182	126	10,091	410	680	21,465	33,566	35,462	37,504	1,228,306
2/28/34	1,913	7,058	8,818	114	9,530	839	995	19,058	30,489	30,352	31,542	1,223,536
3/31/34	9,000	9,984	13,930	627	13,589	1,566	787	19,243	34,151	33,473	33,907	1,240,166
4/30/34	7,343	41,765	45,750	2,596	37,436	2,470	291	14,876	52,028	48,271	46,406	1,277,843
5/31/34	14,677	77,457	68,153	11,511	61,220	2,692	406	15,372	75,351	92,479	100,492	1,283,931
6/30/34	22,018	23,664	19,873	2,368	2,818	1,648	406	33,514	33,275	56,619	70,813	1,192,690
7/31/34	25,113	12,122	9,330	1,978	0	1,725	599	42,680	39,720	56,568	68,935	1,090,115
8/31/34	11,492	12,033	9,888	226	0	975	544	41,071	38,467	53,081	63,824	1,000,804
9/30/34	4,811	12,832	11,982	300	2,402	663	335	30,752	32,880	39,302	43,636	950,608
10/31/34	4,182	10,317	10,661	209	5,655	396	158	28,602	34,551	35,396	36,878	920,320
11/30/34	1,284	8,728	10,257	123	11,229	192	152	19,169	32,853	32,284	33,270	909,134

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
12/31/34	1,442	7,789	9,423	126	10,828	389	574	20,679	33,624	34,206	35,529	897,311
1/31/35	1,475	7,382	9,203	126	10,494	638	1,054	20,344	32,721	40,572	45,673	887,556
2/28/35	2,872	7,026	9,085	114	10,242	989	1,423	17,189	29,205	38,677	44,724	887,566
3/31/35	11,791	12,866	18,757	221	20,893	2,197	1,951	15,372	38,142	38,311	41,926	919,135
4/30/35	28,402	39,045	47,744	678	42,584	8,088	6,311	14,876	58,827	69,399	68,304	1,060,301
5/31/35	28,148	88,645	94,090	1,950	80,165	11,938	9,430	74,876	154,314	166,447	163,086	1,150,041
6/30/35	63,068	237,278	239,821	6,742	231,867	15,455	9,532	147,749	376,274	383,619	378,296	1,370,921
7/31/35	27,766	89,623	92,460	5,857	76,353	3,290	925	15,372	88,448	111,648	122,028	1,443,259
8/31/35	31,873	43,538	43,556	5,202	32,680	720	579	15,372	46,020	51,835	57,109	1,470,122
9/30/35	32,180	26,465	27,169	2,041	20,463	367	317	14,876	35,288	59,776	74,179	1,505,877
10/31/35	19,996	19,727	21,640	324	19,325	407	165	15,372	36,094	39,646	42,460	1,527,828
11/30/35	13,030	12,576	14,870	122	16,786	268	182	14,876	34,457	34,143	35,023	1,540,112
12/31/35	9,806	9,461	11,589	126	13,671	375	481	17,504	33,523	34,348	35,690	1,540,711
1/31/36	1,573	8,727	11,051	126	12,962	476	857	18,169	33,198	37,073	40,016	1,532,781
2/29/36	2,896	7,880	10,471	118	12,112	940	1,452	16,090	30,198	43,640	51,650	1,526,123
3/31/36	15,921	17,093	25,564	3,046	31,264	3,673	2,808	15,372	48,382	51,414	53,722	1,593,776
4/30/36	24,689	77,936	93,197	5,887	88,955	10,686	6,007	77,217	165,379	182,883	181,340	1,701,300
5/31/36	14,521	166,845	162,022	13,736	153,742	9,279	3,282	200,331	351,218	354,582	350,442	1,638,505
6/30/36	23,485	96,592	96,072	10,561	81,838	4,064	882	211,240	289,927	304,109	310,205	1,418,910
7/31/36	20,296	40,229	42,269	6,147	26,332	1,185	683	15,372	38,829	42,811	47,001	1,362,732
8/31/36	12,566	42,581	42,641	3,966	27,113	1,474	1,763	15,372	39,431	63,533	77,542	1,336,497
9/30/36	34,059	25,399	26,365	3,433	20,548	164	368	14,876	35,357	68,755	87,374	1,357,082
10/31/36	23,856	17,194	19,171	336	17,513	496	492	15,372	34,717	40,519	44,813	1,376,577
11/30/36	20,086	14,937	17,642	123	19,769	419	372	14,876	37,358	41,849	45,934	1,401,232
12/31/36	13,067	10,291	12,589	126	14,818	572	791	16,386	33,558	39,103	43,541	1,407,904
1/31/37	2,495	8,795	11,157	126	13,037	647	1,017	19,108	34,217	33,348	34,449	1,400,087
2/28/37	3,319	8,720	11,479	114	13,279	791	1,073	13,915	29,157	93,852	129,744	1,404,114
3/31/37	15,622	15,408	23,094	2,345	28,071	1,453	1,390	15,372	45,389	80,878	101,266	1,489,966
4/30/37	43,873	69,701	84,449	5,038	80,630	8,885	6,075	193,388	274,065	310,853	322,328	1,613,598
5/31/37	32,676	201,773	194,653	13,530	186,886	8,298	2,945	307,438	491,566	498,307	494,359	1,595,373
6/30/37	52,518	113,415	110,630	11,001	97,919	3,287	731	211,240	306,145	305,749	303,323	1,495,743
7/31/37	17,309	46,659	46,604	6,950	33,029	2,378	634	15,372	45,588	82,879	102,060	1,471,259
8/31/37	21,293	20,607	20,155	9,797	10,038	1,475	599	28,834	35,808	44,402	50,631	1,417,934
9/30/37	17,489	16,692	17,253	3,672	9,247	527	256	24,518	32,750	45,492	53,731	1,383,988
10/31/37	16,841	16,236	17,519	1,410	13,561	453	139	18,501	32,281	59,326	74,719	1,390,769
11/30/37	12,927	11,935	14,067	122	15,148	149	31	16,509	34,087	32,346	33,210	1,398,573
12/31/37	9,988	8,942	10,976	126	12,858	150	179	19,210	34,330	38,381	42,045	1,396,904

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
1/31/38	2,046	8,305	10,586	126	12,338	175	354	20,162	34,499	36,982	39,876	1,387,914
2/28/38	3,540	7,979	10,691	114	12,336	437	682	16,455	30,680	37,953	44,859	1,384,081
3/31/38	18,331	16,956	25,835	2,256	31,604	1,139	1,217	15,372	48,935	78,937	99,365	1,464,169
4/30/38	37,703	83,170	102,316	5,670	101,753	9,851	7,379	193,388	295,756	307,046	305,695	1,496,752
5/31/38	31,732	154,111	161,108	7,620	150,412	9,725	6,471	307,438	456,172	464,059	459,901	1,396,159
6/30/38	74,131	252,202	255,159	19,020	261,973	7,026	4,676	212,096	470,864	470,164	465,617	1,452,523
7/31/38	22,833	95,933	98,391	7,144	83,731	1,349	810	15,372	96,045	124,368	138,487	1,437,046
8/31/38	24,962	28,460	29,647	7,985	16,225	1,034	809	23,589	36,504	38,418	41,224	1,390,102
9/30/38	40,680	36,929	39,051	2,462	33,253	80	342	14,876	48,252	87,001	108,531	1,452,037
10/31/38	25,303	32,431	35,665	1,098	34,543	505	203	15,372	50,840	48,899	49,146	1,497,252
11/30/38	16,049	17,742	21,010	126	23,681	311	231	14,876	41,318	39,866	40,795	1,516,699
12/31/38	11,783	11,835	14,429	126	16,958	341	453	15,372	34,653	38,907	42,698	1,523,831
1/31/39	1,975	9,954	12,455	126	14,550	450	664	17,361	33,958	38,323	42,138	1,518,537
2/28/39	2,903	8,057	10,519	114	11,994	513	676	17,261	31,193	33,156	35,999	1,510,915
3/31/39	15,583	18,510	26,449	2,193	31,849	1,470	958	15,372	49,147	53,604	57,908	1,579,353
4/30/39	13,892	45,219	53,344	2,903	46,744	2,898	913	14,876	61,674	58,887	57,313	1,660,941
5/31/39	14,448	119,637	113,981	11,922	99,453	4,070	737	139,509	235,372	230,085	225,991	1,621,331
6/30/39	22,054	81,491	78,215	12,578	65,917	3,316	769	178,017	240,745	251,503	258,364	1,445,475
7/31/39	25,852	26,615	26,785	10,078	14,641	1,617	577	24,423	36,095	50,459	60,411	1,368,348
8/31/39	19,151	16,619	16,252	5,273	3,293	726	495	36,222	36,416	36,472	37,518	1,291,078
9/30/39	8,482	34,107	34,541	2,124	25,434	883	419	14,876	39,488	60,238	72,488	1,285,286
10/31/39	4,535	15,779	17,141	705	13,711	369	147	20,598	35,429	32,951	33,012	1,269,645
11/30/39	1,490	11,957	14,021	119	15,237	186	118	15,945	33,871	32,281	33,342	1,267,864
12/31/39	3,275	9,082	10,965	126	12,479	240	323	19,946	34,693	33,583	34,673	1,257,060
1/31/40	1,479	7,926	9,853	126	11,123	317	543	20,792	33,919	39,802	44,423	1,246,859
2/29/40	3,454	7,461	9,565	118	10,648	545	753	18,819	31,399	40,272	47,657	1,243,032
3/31/40	15,658	13,382	19,170	210	20,738	1,572	1,196	15,372	37,864	36,636	37,677	1,271,289
4/30/40	9,881	40,355	47,312	912	39,610	4,940	2,844	14,876	55,068	54,710	53,295	1,306,865
5/31/40	13,988	124,761	116,939	13,900	111,068	4,030	442	15,372	124,943	119,563	115,130	1,359,127
6/30/40	21,331	70,343	66,657	7,189	49,229	3,882	789	14,876	60,979	76,198	81,788	1,318,958
7/31/40	24,673	20,443	18,311	2,376	772	2,525	845	36,022	33,838	57,253	71,355	1,232,330
8/31/40	17,145	13,042	12,054	1,675	0	1,035	715	40,885	37,735	45,877	53,189	1,150,340
9/30/40	7,271	25,325	26,841	1,694	17,313	121	527	14,876	31,471	68,018	87,884	1,125,066
10/31/40	6,967	31,106	33,931	1,174	32,844	366	190	15,372	48,830	74,934	89,400	1,145,497
11/30/40	3,214	14,732	17,474	122	19,436	345	288	14,876	36,742	44,526	50,381	1,149,043
12/31/40	3,276	10,161	12,544	126	14,575	551	725	15,629	32,281	57,306	71,720	1,149,803
1/31/41	2,336	9,146	11,746	126	13,625	562	962	16,804	32,281	56,643	70,709	1,148,849

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
2/28/41	4,230	10,702	14,073	114	16,341	805	1,221	13,884	31,966	67,870	89,082	1,177,286
3/31/41	22,861	17,022	25,408	3,541	32,064	2,047	1,911	307,438	341,169	372,187	394,706	993,062
4/30/41	46,428	34,664	46,092	6,537	47,779	6,332	7,043	297,521	346,903	389,593	407,915	949,172
5/31/41	110,681	282,001	299,696	12,739	305,131	28,066	25,337	307,438	611,935	753,920	798,652	1,330,975
6/30/41	114,500	292,493	312,398	29,539	336,741	35,132	33,393	223,236	556,496	601,763	596,606	1,532,071
7/31/41	60,963	167,530	179,911	12,478	177,763	14,124	17,361	104,765	279,133	308,511	312,650	1,567,083
8/31/41	33,334	50,199	55,118	5,069	45,883	690	7,555	76,859	121,156	158,134	172,775	1,517,407
9/30/41	52,464	53,077	61,894	5,444	59,654	5,495	12,545	64,606	123,890	159,293	170,084	1,521,499
10/31/41	77,848	111,300	127,388	15,951	164,468	5,847	7,675	71,775	239,053	394,805	466,134	1,701,300
11/30/41	33,218	44,665	53,800	5,399	69,235	2,304	1,834	92,486	164,217	187,284	197,646	1,701,300
12/31/41	18,730	21,771	26,927	1,927	34,705	1,399	1,707	61,879	98,774	111,031	117,187	1,683,646
1/31/42	3,301	14,543	18,522	678	22,917	1,135	1,691	15,372	40,230	48,407	52,852	1,693,385
2/28/42	3,962	11,876	15,607	623	18,883	1,268	1,720	14,233	34,948	41,892	45,712	1,701,299
3/31/42	15,438	15,574	23,663	4,488	31,143	2,461	2,053	230,579	263,598	284,308	294,837	1,535,013
4/30/42	43,915	77,559	95,221	9,697	98,942	7,563	5,344	252,893	352,652	405,732	425,837	1,643,791
5/31/42	27,265	159,016	164,116	16,651	161,997	7,821	3,759	307,438	467,522	471,619	467,338	1,510,172
6/30/42	58,444	231,562	231,488	25,600	240,744	3,488	626	211,240	448,702	444,494	440,131	1,508,680
7/31/42	22,111	90,714	91,105	8,308	76,560	2,964	940	15,372	88,750	95,376	99,776	1,472,983
8/31/42	18,686	33,780	33,000	8,307	19,760	1,272	651	25,836	42,197	34,981	32,837	1,408,842
9/30/42	14,979	19,090	19,493	4,613	11,347	607	330	24,704	34,395	32,433	33,082	1,368,426
10/31/42	17,334	14,389	15,666	911	12,984	472	187	21,869	36,060	33,136	32,990	1,362,524
11/30/42	13,298	11,655	13,810	123	15,530	322	227	15,512	33,792	32,319	33,007	1,369,893
12/31/42	11,046	9,388	11,497	126	13,539	362	484	17,878	33,757	40,355	45,204	1,371,447
1/31/43	1,772	8,556	10,851	126	12,699	423	729	18,969	33,729	40,080	44,847	1,363,987
2/28/43	9,517	8,469	11,166	114	12,940	697	1,016	15,845	30,737	34,509	38,747	1,368,409
3/31/43	18,201	14,869	22,413	3,493	28,423	1,910	1,672	15,372	45,747	47,454	50,131	1,411,142
4/30/43	28,944	82,990	98,973	4,864	93,241	8,308	4,506	14,876	107,021	115,846	113,833	1,532,289
5/31/43	11,116	128,142	128,969	4,259	113,975	7,478	3,483	112,562	224,840	230,745	227,956	1,481,362
6/30/43	17,958	132,083	133,276	6,899	118,351	3,132	640	178,017	293,277	292,417	289,441	1,311,505
7/31/43	23,739	54,924	57,754	6,679	41,238	2,328	897	15,372	53,625	61,851	67,912	1,259,721
8/31/43	18,323	49,520	49,386	7,781	39,831	983	664	15,372	52,856	52,721	54,363	1,238,912
9/30/43	12,329	27,218	28,188	4,273	20,149	662	384	14,876	33,717	39,340	43,993	1,209,053
10/31/43	16,157	17,811	19,819	805	17,013	394	193	17,578	35,433	32,979	33,165	1,208,248
11/30/43	13,000	15,552	18,553	126	20,966	481	374	14,876	38,444	40,555	43,428	1,219,084
12/31/43	10,309	12,162	14,874	126	17,644	502	637	15,372	35,247	40,918	45,267	1,226,936
1/31/44	1,685	10,307	12,937	126	15,269	533	883	16,815	34,057	36,153	38,574	1,219,992
2/29/44	2,764	8,847	11,490	118	13,305	765	1,023	15,942	31,149	40,445	48,010	1,214,681

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
3/31/44	14,877	13,082	19,504	4,106	25,830	1,251	1,168	15,372	43,168	46,523	51,271	1,242,166
4/30/44	31,386	37,709	48,571	8,088	51,157	5,002	4,486	14,876	67,524	70,087	74,324	1,344,045
5/31/44	36,305	221,058	229,172	12,701	226,392	12,662	8,136	204,793	429,634	445,459	441,659	1,386,794
6/30/44	77,551	280,669	282,303	30,804	300,901	8,074	4,111	178,324	475,946	480,864	479,417	1,455,535
7/31/44	25,366	120,608	119,532	10,381	109,632	2,434	874	15,372	121,905	157,692	174,790	1,471,342
8/31/44	20,744	30,806	29,984	9,818	18,521	1,452	705	21,095	36,278	39,257	42,728	1,417,011
9/30/44	19,552	14,944	15,689	3,476	7,434	530	317	27,599	33,769	37,679	41,435	1,372,472
10/31/44	20,039	18,916	20,638	1,165	16,475	600	232	17,869	34,484	39,893	44,155	1,382,423
11/30/44	15,295	13,797	16,296	123	18,208	408	313	14,876	35,727	38,884	42,184	1,395,519
12/31/44	11,513	10,267	12,499	126	14,730	625	713	16,628	33,657	39,114	43,247	1,398,936
1/31/45	1,885	8,983	11,253	126	13,168	475	673	18,683	33,879	39,166	43,418	1,391,537
2/28/45	2,994	8,977	11,486	114	13,293	652	768	14,762	29,973	42,809	51,152	1,397,250
3/31/45	12,833	12,474	18,183	1,353	21,480	1,114	887	15,372	38,874	40,771	43,509	1,422,497
4/30/45	27,440	32,830	41,020	3,591	39,057	4,431	3,388	14,876	55,463	55,438	54,227	1,525,138
5/31/45	18,936	158,216	159,793	3,892	142,818	8,385	3,493	162,645	302,919	307,109	302,694	1,524,951
6/30/45	51,061	165,714	165,960	13,073	158,732	3,283	674	140,331	295,964	302,138	303,402	1,469,198
7/31/45	26,767	72,676	73,592	8,881	59,619	2,976	920	15,372	71,973	85,094	93,321	1,428,075
8/31/45	20,960	36,423	35,417	10,340	23,651	1,276	620	15,372	35,727	59,339	73,746	1,388,111
9/30/45	11,963	15,263	16,026	4,249	8,951	478	272	30,797	38,623	32,637	31,240	1,326,356
10/31/45	8,787	19,701	21,566	965	19,516	495	182	15,372	36,183	38,432	40,811	1,331,738
11/30/45	11,185	14,359	16,922	123	19,077	271	167	14,876	36,748	38,485	41,093	1,337,802
12/31/45	8,620	10,087	12,289	126	14,471	319	377	17,691	34,530	34,385	35,736	1,334,994
1/31/46	1,539	9,947	12,299	126	14,460	356	535	17,717	34,262	36,933	39,811	1,327,813
2/28/46	2,452	8,330	10,560	114	12,151	543	666	17,065	31,191	33,315	36,107	1,321,685
3/31/46	9,923	10,866	15,768	2,164	18,102	1,158	691	15,372	35,082	33,425	33,842	1,330,531
4/30/46	7,332	44,167	51,562	1,849	42,330	2,233	352	14,876	56,400	52,920	51,062	1,355,016
5/31/46	10,279	71,848	72,791	2,596	56,630	2,419	504	15,372	70,268	63,093	58,661	1,339,127
6/30/46	27,601	146,386	142,318	14,007	132,271	3,549	901	14,876	143,956	133,582	129,865	1,334,046
7/31/46	24,006	42,378	43,002	8,854	29,045	2,081	852	15,372	41,511	47,452	52,459	1,268,799
8/31/46	16,552	27,293	27,072	5,737	14,594	823	658	22,939	34,884	46,295	54,074	1,222,013
9/30/46	11,574	17,670	17,453	1,441	5,399	999	497	31,026	34,300	33,884	34,892	1,164,596
10/31/46	1,955	19,066	21,334	141	18,988	461	304	16,275	36,768	33,495	33,028	1,161,790
11/30/46	3,460	14,934	17,782	125	19,918	413	328	14,876	37,455	41,564	45,520	1,165,539
12/31/46	2,855	12,138	14,760	126	17,492	604	746	15,372	35,197	38,502	41,541	1,163,228
1/31/47	1,968	9,807	12,253	126	14,399	642	979	17,877	34,332	33,350	34,138	1,155,587
2/28/47	2,931	8,851	11,351	114	13,114	871	1,145	15,476	30,536	35,484	39,558	1,154,522
3/31/47	15,715	12,282	18,003	1,761	20,155	2,046	1,361	15,372	36,960	35,941	37,103	1,168,177

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
4/30/47	11,634	31,350	39,786	2,344	32,132	4,016	2,603	14,876	46,532	46,154	44,804	1,172,810
5/31/47	8,951	166,316	171,753	2,271	154,690	9,768	6,169	15,372	167,784	172,939	168,632	1,252,345
6/30/47	18,001	172,772	179,924	4,715	167,486	3,978	2,443	14,876	179,311	174,479	169,321	1,269,389
7/31/47	26,169	87,971	94,392	6,215	78,209	1,376	1,196	15,372	90,541	88,360	88,760	1,214,100
8/31/47	12,270	58,376	61,118	2,212	48,227	2,937	5,180	15,372	61,971	155,548	202,745	1,220,819
9/30/47	16,160	43,792	47,349	3,772	38,296	99	533	14,876	51,373	61,121	67,696	1,220,386
10/31/47	28,043	44,394	49,890	3,046	54,527	1,131	1,360	15,372	71,645	114,669	137,616	1,274,796
11/30/47	17,269	21,616	26,034	2,157	31,744	674	583	14,876	49,454	49,960	51,981	1,295,980
12/31/47	12,633	14,842	18,406	1,060	22,978	691	966	15,372	40,779	48,739	54,158	1,304,126
1/31/48	2,305	12,350	15,762	414	19,126	783	1,244	15,372	36,630	37,155	38,732	1,303,028
2/29/48	3,523	10,762	14,237	500	17,072	794	1,121	14,380	33,513	47,437	58,557	1,310,504
3/31/48	14,885	15,460	23,675	4,929	31,486	1,320	1,241	15,372	48,856	47,712	62,180	1,332,495
4/30/48	32,836	77,743	96,913	9,714	97,513	6,502	4,383	20,826	117,705	125,582	123,907	1,487,037
5/31/48	28,342	221,946	225,644	25,538	232,308	8,126	3,678	200,331	429,770	434,481	430,326	1,494,590
6/30/48	82,604	223,077	222,773	26,359	235,948	4,881	2,531	211,240	444,237	459,856	465,584	1,515,798
7/31/48	24,766	85,569	85,880	10,055	73,469	2,682	896	15,372	86,104	98,101	105,017	1,474,763
8/31/48	18,269	34,492	33,571	7,906	23,125	1,448	671	15,372	35,669	45,119	51,909	1,438,035
9/30/48	13,074	15,722	16,297	4,767	8,316	409	256	27,868	34,439	35,933	38,503	1,385,445
10/31/48	17,981	17,190	18,877	522	17,919	249	134	15,372	34,981	50,430	60,013	1,396,445
11/30/48	12,621	12,624	14,916	122	16,634	241	195	14,876	34,273	43,299	49,966	1,403,822
12/31/48	9,673	9,433	11,544	126	13,463	486	615	18,070	33,857	38,770	42,777	1,404,504
1/31/49	1,917	8,763	11,065	126	12,859	440	713	17,585	32,493	50,778	61,863	1,402,412
2/28/49	2,397	8,038	10,590	114	12,138	614	891	15,080	29,157	51,255	64,544	1,403,570
3/31/49	15,737	12,921	19,751	3,515	25,025	1,477	1,367	15,372	42,278	66,135	80,784	1,452,565
4/30/49	35,684	64,967	81,603	6,909	79,497	7,537	5,863	223,141	302,681	310,946	310,740	1,412,215
5/31/49	42,045	179,930	189,118	11,638	184,879	11,830	10,012	271,736	455,506	469,391	465,821	1,358,081
6/30/49	83,481	297,705	300,980	28,929	324,921	19,996	16,968	211,488	533,217	554,206	549,807	1,449,396
7/31/49	37,603	130,190	129,753	9,660	119,957	4,090	3,279	15,372	132,565	152,835	159,340	1,505,594
8/31/49	23,427	32,969	32,470	9,247	23,031	240	764	17,035	36,810	39,812	43,161	1,467,835
9/30/49	22,188	16,717	17,500	3,865	6,941	712	423	29,820	34,668	33,353	34,303	1,422,179
10/31/49	17,421	17,863	19,781	1,067	17,772	286	179	15,811	34,929	34,406	35,250	1,428,364
11/30/49	13,053	14,619	17,411	123	19,115	597	405	14,876	36,485	35,200	35,896	1,439,240
12/31/49	10,071	11,209	13,766	126	16,175	524	589	15,676	34,193	35,494	37,491	1,441,262
1/31/50	1,963	10,634	13,340	126	15,685	440	691	16,326	34,073	37,245	40,291	1,437,580
2/28/50	3,110	9,728	12,494	114	14,428	669	835	14,468	30,849	34,787	38,579	1,442,106
3/31/50	14,322	13,886	20,224	1,960	23,515	1,256	907	15,372	40,513	38,997	40,369	1,459,567
4/30/50	19,763	57,237	66,609	2,499	58,042	5,519	2,575	14,876	72,231	73,362	71,384	1,526,074

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
5/31/50	13,437	88,329	86,739	7,089	72,564	3,366	510	46,612	116,522	108,531	103,510	1,507,510
6/30/50	22,690	113,196	108,608	13,177	97,726	3,651	734	112,066	206,653	201,311	196,979	1,391,958
7/31/50	23,502	42,271	41,165	9,645	27,381	2,955	819	15,372	39,662	49,130	56,272	1,328,871
8/31/50	21,465	15,459	14,913	7,335	4,162	762	428	35,979	37,015	37,683	39,176	1,237,804
9/30/50	6,179	14,753	14,752	927	5,301	372	243	29,617	34,015	37,214	40,553	1,186,323
10/31/50	7,688	13,072	13,465	951	6,981	465	169	28,826	35,364	33,361	33,488	1,161,681
11/30/50	1,403	10,409	12,196	123	12,684	194	49	18,737	33,971	32,421	33,109	1,149,077
12/31/50	1,712	9,452	11,218	126	13,045	279	323	18,753	34,202	37,669	40,976	1,136,986
1/31/51	1,426	7,842	9,463	126	10,841	265	401	21,316	34,270	38,023	41,568	1,122,353
2/28/51	2,055	6,420	7,907	114	8,856	379	485	20,325	31,184	34,926	38,730	1,109,657
3/31/51	11,583	8,537	11,849	412	12,485	855	575	20,763	35,082	33,291	35,027	1,111,526
4/30/51	9,991	17,121	20,382	762	12,673	2,431	1,290	22,752	35,483	32,920	31,640	1,102,645
5/31/51	12,409	76,567	75,221	6,651	60,581	3,928	590	15,372	73,217	67,290	63,061	1,117,458
6/30/51	20,859	105,191	100,884	8,808	85,995	3,586	706	14,876	97,924	104,515	107,363	1,105,950
7/31/51	25,244	33,767	30,925	1,045	7,881	3,392	1,011	31,761	36,747	58,073	72,100	1,001,835
8/31/51	13,295	23,383	20,680	1,992	4,435	1,404	633	33,148	35,776	45,767	52,019	931,324
9/30/51	4,716	12,222	11,221	243	180	612	325	33,404	31,870	51,360	62,447	859,998
10/31/51	3,887	12,102	13,156	643	10,764	413	170	22,282	34,164	37,771	40,954	835,250
11/30/51	1,988	9,823	11,706	123	13,187	321	238	17,179	33,074	38,917	43,707	827,403
12/31/51	2,367	8,676	10,729	126	12,633	450	597	19,506	34,423	34,101	35,280	825,539
1/31/52	2,093	9,335	11,866	126	13,987	565	932	16,278	32,281	59,174	74,525	835,984
2/29/52	2,775	9,723	12,703	118	14,861	894	1,260	14,942	31,748	33,595	36,108	836,206
3/31/52	13,609	10,871	16,946	2,388	21,064	1,826	1,775	15,372	38,360	38,348	40,876	880,680
4/30/52	41,031	77,956	98,182	6,361	99,093	12,614	9,154	14,876	114,796	135,840	134,801	1,137,437
5/31/52	28,769	212,711	222,183	7,361	211,418	15,705	8,846	74,876	283,925	306,619	302,425	1,311,461
6/30/52	90,223	310,539	312,071	24,197	327,628	15,659	9,302	141,975	466,432	474,526	469,742	1,476,464
7/31/52	28,545	107,573	108,823	7,957	96,258	2,721	823	15,372	108,615	123,789	129,564	1,462,151
8/31/52	23,493	38,325	37,775	8,093	24,225	1,741	778	17,312	38,185	35,880	36,237	1,428,610
9/30/52	23,024	22,722	23,251	4,439	14,787	632	362	20,696	34,063	38,319	42,317	1,402,297
10/31/52	16,483	16,203	17,349	1,866	13,159	453	188	21,792	34,990	33,824	34,470	1,387,405
11/30/52	12,473	11,359	13,451	123	14,883	308	242	15,673	33,296	36,144	39,343	1,391,312
12/31/52	11,488	9,544	11,633	126	13,525	541	670	17,876	33,736	38,648	42,550	1,395,933
1/31/53	1,891	9,387	11,667	126	13,554	572	864	17,985	33,596	39,801	44,363	1,392,436
2/28/53	3,251	8,699	11,043	114	12,617	697	893	16,570	31,134	31,963	34,164	1,387,899
3/31/53	13,460	13,446	19,050	1,476	21,732	1,400	1,042	15,372	38,810	37,428	38,486	1,407,705
4/30/53	21,235	33,483	39,580	3,152	35,238	4,947	3,157	14,876	51,156	53,112	52,003	1,451,141
5/31/53	10,591	74,620	74,786	4,282	59,822	4,554	1,543	15,372	73,556	69,794	65,783	1,459,879

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	R. at State line AFM	La Plata R. at San Juan AFM	La Plata R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
6/30/53	23,972	143,620	136,973	16,027	128,994	3,893	821	14,876	140,694	145,701	146,248	1,471,612
7/31/53	20,265	37,079	36,788	8,378	21,025	2,682	956	16,953	34,898	56,455	69,669	1,394,125
8/31/53	18,742	23,024	22,052	8,000	11,440	1,455	731	24,695	33,008	54,929	67,825	1,330,661
9/30/53	15,777	11,615	10,329	1,884	(0)	536	322	36,832	34,350	34,395	35,440	1,257,908
10/31/53	2,159	12,428	13,864	123	11,646	268	195	19,976	33,937	42,152	47,654	1,240,232
11/30/53	2,168	13,631	15,788	123	17,347	490	363	14,876	34,909	41,674	46,701	1,243,355
12/31/53	1,733	8,824	10,536	126	12,360	565	706	19,159	33,904	37,021	40,082	1,235,459
1/31/54	1,359	7,213	8,861	126	10,225	494	795	21,595	33,916	37,756	41,168	1,223,491
2/28/54	2,896	6,754	8,514	114	9,704	686	853	19,652	31,342	30,617	33,674	1,220,269
3/31/54	10,532	8,628	12,566	135	13,142	1,244	858	19,773	34,819	33,297	35,104	1,230,789
4/30/54	10,770	41,307	48,397	2,384	38,793	2,906	701	14,876	52,491	50,035	48,035	1,270,991
5/31/54	12,869	99,033	96,256	8,028	82,604	3,417	598	15,372	95,300	87,979	83,385	1,324,453
6/30/54	20,930	74,189	74,107	8,561	58,545	2,418	790	14,876	70,355	77,335	80,968	1,291,178
7/31/54	21,014	49,257	48,484	3,021	30,804	1,004	681	15,372	43,248	73,724	91,425	1,262,750
8/31/54	18,326	22,476	21,072	2,165	4,303	720	743	34,329	35,566	43,893	48,991	1,210,261
9/30/54	9,827	21,695	22,463	1,705	11,956	654	492	21,552	32,230	50,526	61,298	1,188,027
10/31/54	8,449	29,689	32,145	1,563	30,146	520	222	15,372	45,949	76,223	93,017	1,170,156
11/30/54	1,769	14,050	16,655	143	17,843	314	151	14,876	35,216	37,255	39,766	1,158,079
12/31/54	1,664	11,782	14,243	126	16,773	376	462	15,372	34,499	34,841	36,609	1,153,034
1/31/55	1,308	9,841	12,127	126	14,166	448	632	18,260	34,498	34,299	35,665	1,144,358
2/28/55	1,984	8,225	10,370	114	11,837	501	602	17,435	31,235	33,616	36,713	1,136,821
3/31/55	14,870	12,068	17,051	1,102	19,467	1,017	683	15,372	36,704	42,704	47,761	1,150,751
4/30/55	10,747	26,710	32,092	420	25,079	3,095	1,758	14,876	40,973	38,051	36,736	1,161,057
5/31/55	6,397	94,348	93,503	2,867	77,823	4,165	1,412	15,372	91,977	86,581	82,644	1,194,195
6/30/55	22,255	124,873	120,214	13,751	111,274	2,861	753	14,876	123,039	117,494	112,344	1,208,031
7/31/55	18,670	35,332	35,714	6,793	19,659	1,830	904	18,122	34,769	50,162	59,420	1,133,316
8/31/55	18,540	29,233	27,167	2,873	10,171	401	640	25,820	32,906	68,779	88,647	1,111,431
9/30/55	13,514	14,626	13,523	1,539	2,282	653	325	38,345	38,006	32,940	31,240	1,048,469
10/31/55	7,563	12,223	12,857	764	6,985	344	142	31,062	38,289	33,990	32,934	1,013,026
11/30/55	1,631	10,442	12,444	123	13,190	194	123	17,889	33,845	32,296	33,345	1,003,159
12/31/55	2,079	9,803	11,981	126	13,715	439	585	18,073	34,211	35,286	37,389	997,593
1/31/56	2,018	9,451	11,820	126	13,561	588	913	18,110	33,797	37,612	40,942	993,179
2/29/56	2,888	8,881	11,391	118	12,861	915	1,226	16,949	31,865	32,349	33,947	988,775
3/31/56	14,853	16,129	22,806	444	24,982	3,454	1,984	15,372	42,102	42,056	42,866	1,017,663
4/30/56	14,209	33,539	39,748	1,030	30,964	3,975	1,776	14,876	46,245	48,409	46,690	1,052,315
5/31/56	14,439	119,520	113,979	12,645	103,363	4,740	636	15,372	115,899	109,956	104,910	1,110,083
6/30/56	24,968	108,064	100,218	9,264	83,528	4,594	914	14,876	95,334	112,924	120,527	1,111,618

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State Line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
7/31/56	25,097	24,347	21,038	1,381	2,446	1,820	507	36,552	36,074	53,513	64,942	1,024,650
8/31/56	16,630	15,017	12,286	1,761	0	873	361	41,077	38,122	49,559	57,884	932,645
9/30/56	1,575	8,514	6,927	182	0	295	163	39,427	37,021	36,818	39,072	850,383
10/31/56	2,662	9,868	10,673	216	5,639	249	102	32,257	38,436	33,920	32,951	815,919
11/30/56	1,717	10,476	12,363	122	13,802	131	64	17,468	33,927	33,709	35,514	806,555
12/31/56	1,536	8,158	10,022	126	11,682	208	277	20,774	34,703	34,954	36,752	792,207
1/31/57	1,519	8,882	11,172	126	13,033	328	529	19,174	34,194	38,486	42,310	784,582
2/28/57	2,668	9,273	11,894	114	13,765	549	757	14,759	30,401	40,064	46,921	797,260
3/31/57	14,909	11,823	17,475	839	19,733	1,379	1,217	15,372	36,994	35,822	36,884	826,395
4/30/57	24,430	36,909	46,460	2,595	42,886	6,738	5,886	20,826	64,898	69,024	68,445	910,158
5/31/57	29,255	96,448	106,880	4,888	96,412	15,162	14,250	200,331	296,427	317,993	314,033	882,998
6/30/57	115,701	320,454	341,298	13,672	350,972	30,451	28,437	212,067	559,755	599,640	594,433	1,123,831
7/31/57	70,123	190,114	201,445	17,677	209,558	17,085	19,424	15,372	221,863	244,768	241,759	1,303,430
8/31/57	56,478	78,555	80,160	7,924	71,782	3,398	5,913	15,372	85,007	161,793	198,570	1,387,143
9/30/57	31,867	37,469	39,441	4,230	29,859	399	554	14,876	42,558	72,068	86,870	1,388,420
10/31/57	28,578	21,866	25,592	133	26,035	654	1,043	15,372	43,812	72,994	89,039	1,430,567
11/30/57	24,862	25,964	31,578	2,055	38,532	746	717	14,876	56,066	75,394	87,132	1,477,792
12/31/57	15,897	18,317	22,800	1,503	29,039	834	1,186	15,372	46,670	53,357	58,286	1,500,913
1/31/58	2,455	14,679	18,700	696	23,208	770	1,325	15,372	40,576	41,759	44,462	1,502,589
2/28/58	4,422	12,017	15,785	640	19,166	1,001	1,432	13,884	34,937	59,653	78,989	1,535,294
3/31/58	17,487	15,782	23,932	4,931	32,005	1,922	1,743	15,372	49,362	76,866	100,216	1,594,114
4/30/58	29,305	64,641	81,169	10,287	84,377	8,519	6,250	223,141	308,096	342,184	351,042	1,604,602
5/31/58	17,472	271,928	269,403	29,984	280,766	10,918	4,084	307,438	584,938	596,800	592,214	1,595,461
6/30/58	38,688	216,457	208,605	21,635	210,917	4,633	760	212,995	420,530	447,096	458,887	1,557,744
7/31/58	25,904	47,305	47,507	9,333	33,184	2,476	937	15,372	45,480	67,828	81,211	1,496,988
8/31/58	19,275	21,664	21,741	7,896	8,847	978	765	30,854	36,480	41,316	44,935	1,426,432
9/30/58	10,657	22,717	23,667	3,056	15,061	541	406	20,535	34,039	36,753	39,686	1,396,613
10/31/58	7,116	18,040	19,888	985	16,855	487	199	17,394	35,394	34,448	35,402	1,387,096
11/30/58	12,968	14,563	17,323	123	18,892	319	188	14,876	36,404	37,302	39,579	1,396,461
12/31/58	10,106	12,322	14,906	126	17,429	374	453	15,372	35,094	35,217	36,755	1,399,797
1/31/59	1,381	10,242	12,610	126	14,635	343	494	17,956	34,615	34,361	35,909	1,389,490
2/28/59	2,669	9,260	11,498	114	13,066	453	499	16,763	31,744	30,127	31,273	1,384,343
3/31/59	12,128	11,786	16,328	1,854	18,783	842	430	15,372	35,828	33,869	34,880	1,388,931
4/30/59	10,505	22,568	26,415	1,036	19,393	2,533	1,082	16,271	36,033	33,098	31,671	1,388,778
5/31/59	15,317	73,278	71,085	8,463	57,749	3,968	563	15,372	70,187	64,755	60,560	1,385,411
6/30/59	24,369	97,353	91,856	14,662	80,926	4,367	921	14,876	92,537	101,365	107,741	1,375,009
7/31/59	26,304	21,722	19,632	906	0	2,968	894	39,373	36,318	58,579	72,987	1,276,075

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
8/31/59	11,003	23,816	22,240	709	4,416	1,375	695	32,019	34,725	53,518	64,264	1,212,985
9/30/59	4,500	11,788	11,554	271	862	696	415	36,410	35,559	32,043	31,240	1,140,766
10/31/59	3,344	20,782	23,351	129	22,181	554	750	15,372	39,338	41,956	44,258	1,160,436
11/30/59	6,271	16,615	19,687	126	21,970	707	595	14,876	39,569	49,657	56,584	1,175,915
12/31/59	2,772	10,799	13,293	126	15,505	725	981	15,668	33,531	37,837	41,262	1,176,985
1/31/60	2,116	9,189	11,777	126	13,671	737	1,240	17,915	33,661	36,188	38,716	1,170,935
2/29/60	3,851	9,438	12,585	118	14,503	845	1,366	14,911	31,418	35,068	40,015	1,168,599
3/31/60	28,376	20,582	30,602	1,356	35,176	3,237	2,466	15,372	52,045	74,551	89,243	1,317,837
4/30/60	35,454	81,490	96,909	1,693	89,475	8,114	5,030	14,876	103,635	117,058	115,376	1,479,959
5/31/60	13,823	123,656	124,223	4,354	108,417	4,706	1,384	74,876	181,060	179,239	175,287	1,502,645
6/30/60	31,761	175,296	169,248	15,186	162,521	4,392	821	140,331	299,667	296,851	293,295	1,479,818
7/31/60	25,822	51,672	50,882	10,255	36,964	2,906	901	15,372	49,386	71,021	84,969	1,431,554
8/31/60	24,597	18,128	16,221	6,308	2,815	952	502	37,879	37,494	43,117	47,484	1,347,404
9/30/60	13,982	15,126	14,497	1,550	1,951	444	286	35,641	34,884	34,030	34,729	1,283,958
10/31/60	765	17,785	19,875	123	19,003	355	408	15,372	36,475	40,838	44,405	1,278,783
11/30/60	1,478	13,793	16,409	123	18,034	508	355	14,876	35,314	34,530	36,007	1,277,939
12/31/60	7,675	11,699	14,194	126	16,693	466	617	15,372	34,293	36,738	39,536	1,280,554
1/31/61	1,444	9,929	12,299	126	14,372	492	819	17,443	33,786	38,738	42,740	1,272,110
2/28/61	2,576	7,674	9,872	114	11,232	634	923	17,679	30,773	34,856	40,498	1,267,423
3/31/61	11,107	12,168	17,805	625	20,049	1,754	1,370	15,372	37,266	36,360	41,772	1,292,715
4/30/61	13,113	41,826	50,782	872	43,425	5,992	3,704	14,876	58,537	63,011	61,507	1,366,701
5/31/61	15,250	147,682	144,599	9,854	132,435	4,801	607	15,372	144,775	142,167	137,593	1,475,121
6/30/61	21,529	123,155	119,850	12,840	108,565	3,445	880	16,832	122,147	130,021	132,864	1,476,892
7/31/61	24,407	30,265	31,726	6,618	15,475	1,553	855	24,105	36,426	48,581	57,327	1,398,558
8/31/61	17,582	28,751	28,570	2,401	14,745	93	916	22,794	35,413	50,532	60,165	1,376,001
9/30/61	6,878	32,465	34,533	1,888	26,239	124	651	14,876	40,371	43,612	46,246	1,359,368
10/31/61	5,519	29,433	33,239	216	32,626	706	816	15,372	49,431	47,817	47,558	1,371,696
11/30/61	18,301	20,281	24,286	190	27,775	567	540	14,876	45,381	47,716	50,666	1,396,335
12/31/61	13,222	13,217	16,367	126	19,505	695	961	15,372	37,208	37,017	39,261	1,402,191
1/31/62	2,920	10,445	13,502	126	15,992	723	1,172	16,019	34,065	33,357	34,424	1,397,302
2/28/62	4,630	13,514	17,610	114	20,916	992	1,273	13,884	36,745	52,087	62,301	1,419,865
3/31/62	15,221	15,228	23,051	1,186	26,939	1,444	1,207	15,372	44,100	42,906	47,338	1,445,892
4/30/62	30,708	83,712	100,648	2,071	93,845	4,963	2,217	20,826	113,746	116,795	114,961	1,593,927
5/31/62	13,138	141,917	143,336	3,677	127,072	3,392	500	200,331	324,983	319,018	314,661	1,500,514
6/30/62	28,019	159,556	159,359	9,557	147,235	3,754	834	211,240	355,337	349,464	344,443	1,354,324
7/31/62	27,424	77,517	77,318	10,513	64,575	3,275	925	15,372	76,952	79,724	83,342	1,328,361
8/31/62	23,914	25,307	24,968	10,371	14,099	798	457	27,162	38,035	35,538	35,760	1,250,807

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	R. at State line AFM	La Plata R. at San Juan AFM	La Plata R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
9/30/62	10,173	17,092	18,087	3,024	9,151	416	289	26,460	34,255	34,708	36,592	1,201,108
10/31/62	4,045	20,289	22,819	133	22,336	494	518	15,372	38,348	77,581	99,101	1,212,613
11/30/62	13,879	16,285	19,365	129	21,432	461	355	14,876	37,571	40,263	43,069	1,228,543
12/31/62	10,750	11,963	14,610	126	17,263	550	730	15,507	34,110	35,075	36,894	1,235,685
1/31/63	1,599	9,668	12,203	126	14,299	535	896	18,731	34,291	33,762	34,960	1,227,687
2/28/63	4,854	10,082	12,967	114	15,047	876	1,196	14,081	30,280	36,572	41,528	1,244,848
3/31/63	14,659	17,730	25,105	545	28,243	2,574	1,682	15,372	44,670	43,967	45,175	1,290,646
4/30/63	8,670	40,109	46,861	978	38,488	4,237	1,885	14,876	53,397	55,543	53,912	1,350,738
5/31/63	15,844	114,952	108,027	14,206	98,251	4,090	668	15,372	111,970	106,365	101,854	1,408,497
6/30/63	22,190	56,522	55,221	10,635	41,938	3,134	770	14,876	54,923	58,646	61,014	1,359,862
7/31/63	24,352	26,247	25,101	2,399	5,388	2,400	970	33,602	36,954	44,769	51,189	1,260,300
8/31/63	13,161	28,121	27,502	2,451	11,787	623	770	23,675	34,390	44,189	50,242	1,204,390
9/30/63	6,451	28,033	27,141	2,300	15,546	1,168	550	17,766	32,139	54,692	67,413	1,183,082
10/31/63	5,363	16,456	17,640	1,119	13,557	343	143	21,816	35,573	35,790	37,268	1,163,863
11/30/63	1,801	11,907	13,917	131	14,825	221	59	17,546	33,599	36,014	38,793	1,151,860
12/31/63	1,348	9,445	11,287	126	13,098	252	253	19,741	34,135	38,892	42,971	1,132,809
1/31/64	1,210	8,149	9,915	123	11,368	231	307	21,399	33,993	41,183	46,532	1,113,978
2/29/64	1,873	7,331	9,033	118	10,179	336	361	21,238	32,573	33,812	36,218	1,097,812
3/31/64	4,063	8,187	11,529	129	12,338	655	434	21,121	34,676	34,331	35,968	1,090,691
4/30/64	4,732	19,511	23,670	284	18,358	2,355	1,517	16,281	35,214	32,664	31,825	1,110,847
5/31/64	14,206	119,582	114,678	11,138	103,467	4,021	594	15,372	117,430	112,028	108,187	1,182,243
6/30/64	22,476	85,673	82,733	8,627	67,073	2,664	817	14,876	79,994	71,339	66,240	1,149,949
7/31/64	24,999	29,284	27,406	1,018	5,754	1,882	1,025	32,568	36,542	48,471	56,710	1,064,523
8/31/64	13,466	29,667	28,006	2,553	12,645	437	674	21,039	32,566	70,985	92,234	1,039,614
9/30/64	9,352	16,054	15,557	1,105	6,140	643	316	26,897	32,504	43,241	49,962	1,000,791
10/31/64	7,093	12,398	13,075	648	7,472	334	126	27,953	35,334	36,000	37,701	972,591
11/30/64	2,118	10,678	12,745	122	13,991	122	45	18,411	33,718	35,869	38,894	962,706
12/31/64	2,113	9,820	12,048	126	14,057	198	330	18,622	33,982	40,541	45,538	955,035
1/31/65	2,009	9,448	11,903	126	13,885	335	698	18,497	33,613	41,916	48,037	954,698
2/28/65	3,792	8,403	11,002	114	12,621	851	1,313	16,785	30,528	34,391	41,625	957,287
3/31/65	10,965	12,038	18,397	791	20,990	1,994	1,918	15,372	37,528	37,014	47,247	980,638
4/30/65	31,608	61,301	77,160	3,012	73,940	8,055	7,194	14,876	89,400	98,734	99,536	1,171,522
5/31/65	28,494	154,653	165,909	3,635	152,903	14,730	13,247	74,876	227,261	247,876	243,824	1,294,475
6/30/65	88,086	239,899	257,429	14,003	262,759	23,030	21,855	151,758	413,110	440,462	436,159	1,422,486
7/31/65	50,633	170,605	182,307	13,019	183,712	13,902	15,409	27,528	209,937	220,797	216,546	1,521,647
8/31/65	28,833	66,324	69,603	5,206	56,749	404	3,735	15,372	70,345	80,377	83,022	1,506,050
9/30/65	43,764	51,778	56,143	4,959	51,836	219	1,604	14,876	66,416	68,467	69,162	1,531,540

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
10/31/65	28,932	40,399	45,847	3,589	50,122	268	442	15,372	66,069	66,754	68,196	1,561,111
11/30/65	20,622	21,945	26,757	2,236	32,403	899	738	14,876	48,597	57,762	64,052	1,580,984
12/31/65	16,322	17,079	21,327	1,354	26,980	1,061	1,300	15,372	43,671	60,437	70,128	1,603,483
1/31/66	3,480	14,492	18,534	683	22,950	867	1,408	15,372	39,566	40,905	42,298	1,604,500
2/28/66	4,227	12,527	16,488	712	20,076	1,059	1,515	13,884	35,095	42,949	48,124	1,606,079
3/31/66	21,167	23,950	34,561	3,401	41,764	2,852	1,955	56,058	98,756	126,555	141,227	1,697,036
4/30/66	22,229	51,485	61,949	5,071	57,199	5,257	2,728	128,962	186,295	196,156	196,170	1,701,300
5/31/66	14,963	149,294	144,966	15,357	137,832	4,631	611	200,331	336,690	332,335	327,856	1,664,035
6/30/66	23,835	108,680	105,908	12,224	94,070	3,723	783	211,240	303,707	315,733	320,076	1,491,590
7/31/66	25,709	44,710	44,349	10,994	31,045	2,898	870	15,372	44,312	55,613	64,032	1,436,124
8/31/66	17,939	23,877	23,154	7,380	11,046	874	480	26,421	35,753	47,146	54,166	1,373,069
9/30/66	13,904	14,256	14,569	5,322	8,161	507	266	26,202	33,567	42,994	49,595	1,322,821
10/31/66	6,483	13,388	14,439	1,499	10,845	267	119	26,675	37,653	33,707	32,984	1,292,671
11/30/66	5,297	11,287	13,408	123	14,048	138	46	18,397	33,681	35,490	39,399	1,284,009
12/31/66	14,126	11,266	13,539	126	16,035	269	459	15,372	32,741	48,883	61,060	1,306,164
1/31/67	1,902	8,455	10,480	126	12,227	329	657	21,109	34,592	33,351	62,431	1,292,063
2/28/67	2,995	8,313	10,489	114	12,087	787	1,077	17,950	31,183	30,133	37,768	1,290,378
3/31/67	12,382	13,682	19,031	172	18,607	1,987	1,133	15,372	34,652	33,338	36,371	1,321,808
4/30/67	10,159	22,303	26,657	886	18,480	2,615	1,446	17,589	35,886	32,982	31,579	1,322,696
5/31/67	11,515	99,043	96,307	8,197	84,357	3,308	542	15,372	98,804	92,319	88,158	1,348,054
6/30/67	18,044	83,790	82,617	7,774	69,386	1,657	523	14,876	82,877	81,720	79,220	1,352,551
7/31/67	23,954	39,348	38,269	6,210	21,208	1,164	797	17,657	37,150	42,278	46,864	1,289,937
8/31/67	14,589	30,844	29,354	2,737	14,034	665	747	19,744	32,281	79,858	106,063	1,276,666
9/30/67	27,159	19,636	18,669	1,536	7,177	942	492	26,233	32,632	50,213	60,550	1,265,791
10/31/67	14,552	12,639	13,247	797	8,513	449	173	26,613	35,227	32,983	33,052	1,247,671
11/30/67	11,481	9,834	11,695	123	12,430	171	83	20,156	33,823	33,744	35,228	1,242,352
12/31/67	9,816	9,135	11,175	126	13,040	278	453	20,070	34,423	35,124	37,048	1,235,404
1/31/68	1,968	8,707	10,973	126	12,760	466	840	20,334	34,333	34,159	36,820	1,223,212
2/29/68	2,920	8,857	11,469	118	13,217	838	1,198	16,813	31,198	38,530	46,526	1,220,073
3/31/68	12,460	16,082	23,173	1,249	26,950	2,547	1,904	15,372	43,421	42,957	44,999	1,235,878
4/30/68	17,572	31,585	39,440	1,902	35,085	5,757	4,343	14,876	50,715	55,373	54,401	1,268,758
5/31/68	13,968	135,083	138,713	2,718	122,418	10,843	6,536	46,612	168,066	178,239	174,231	1,308,962
6/30/68	30,910	228,455	224,851	13,674	220,680	9,260	3,872	112,066	330,685	328,595	323,465	1,345,802
7/31/68	20,411	59,912	61,548	6,520	45,908	1,895	743	15,372	59,375	67,086	69,679	1,302,468
8/31/68	38,133	47,248	45,240	8,426	35,086	1,374	706	15,372	48,609	118,397	156,126	1,362,678
9/30/68	21,020	14,480	14,820	5,464	8,577	590	309	32,373	39,722	33,121	31,240	1,310,768
10/31/68	16,418	13,817	15,050	1,021	11,829	296	138	22,393	34,446	40,629	45,369	1,298,406

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
11/30/68	12,988	11,508	13,709	122	15,390	223	170	16,587	33,336	37,681	41,808	1,300,929
12/31/68	9,949	10,149	12,419	126	14,666	337	485	18,375	34,343	35,969	38,434	1,294,760
1/31/69	1,631	9,319	11,726	126	13,788	433	750	17,626	32,644	49,343	59,706	1,296,296
2/28/69	2,697	8,316	10,875	114	12,587	696	972	17,437	31,145	31,883	36,056	1,292,723
3/31/69	11,306	12,364	18,775	1,150	21,986	1,349	1,275	15,372	38,523	49,155	60,282	1,323,033
4/30/69	23,778	65,106	80,385	2,019	73,245	7,872	5,111	14,876	87,915	100,183	101,297	1,463,735
5/31/69	12,915	181,257	183,152	3,898	168,208	9,184	4,484	74,876	241,947	249,425	245,437	1,551,773
6/30/69	50,045	138,048	143,674	7,857	134,030	7,539	6,324	150,808	283,074	282,722	277,871	1,516,832
7/31/69	28,350	100,091	103,469	6,331	88,964	1,838	1,659	27,669	114,327	128,360	133,300	1,512,183
8/31/69	25,690	32,671	34,386	7,889	21,885	246	1,347	15,782	36,258	46,513	52,756	1,495,233
9/30/69	39,421	31,720	34,464	2,285	26,851	126	1,506	14,876	41,712	47,901	52,013	1,526,923
10/31/69	32,980	42,835	46,904	147	59,076	1,048	2,876	15,372	74,849	121,446	135,526	1,592,034
11/30/69	20,605	24,183	25,759	123	27,212	611	588	14,876	39,148	35,573	47,385	1,626,203
12/31/69	14,103	15,720	17,203	126	22,563	638	956	23,340	41,616	33,323	38,244	1,640,665
1/31/70	3,251	10,163	12,318	126	15,703	691	883	15,372	43,184	35,467	35,201	1,640,949
2/28/70	2,389	8,889	10,409	114	10,711	661	487	17,293	38,109	30,098	32,322	1,644,389
3/31/70	11,060	10,554	13,696	4,178	17,343	476	21	15,372	39,806	44,034	42,295	1,660,298
4/30/70	16,781	19,863	24,026	6,636	24,413	946	149	20,826	44,804	71,423	49,275	1,673,839
5/31/70	14,337	160,885	158,809	8,381	134,048	4,327	575	200,331	344,010	331,405	322,062	1,561,587
6/30/70	17,939	128,289	125,897	9,198	106,792	2,701	631	211,875	329,995	354,823	333,194	1,380,359
7/31/70	24,955	58,350	56,753	10,464	48,009	1,494	920	15,372	65,636	78,120	69,925	1,320,266
8/31/70	21,558	31,641	31,470	9,053	20,599	938	870	22,576	46,513	59,119	55,401	1,265,999
9/30/70	47,921	102,062	107,517	154	104,048	3,155	4,430	14,876	130,345	194,826	226,255	1,385,466
10/31/70	25,191	26,550	30,284	377	28,702	689	156	15,372	40,802	37,747	38,971	1,418,932
11/30/70	15,855	17,404	19,466	123	21,314	437	684	14,876	35,135	36,935	45,000	1,441,499
12/31/70	11,827	12,640	14,587	126	17,525	517	575	15,372	42,155	37,521	42,640	1,454,514
1/31/71	1,285	12,277	14,121	126	16,459	805	959	18,580	33,380	34,671	37,390	1,459,182
2/28/71	3,071	12,430	13,518	114	15,983	1,050	1,114	16,695	32,927	30,098	37,507	1,473,614
3/31/71	9,190	18,432	18,642	1,534	21,115	1,116	690	15,372	45,016	44,968	48,299	1,504,931
4/30/71	11,784	51,651	49,261	3,209	42,681	2,055	223	14,876	54,048	69,164	56,751	1,543,312
5/31/71	9,446	84,638	81,466	6,731	75,344	3,063	465	74,876	143,746	152,150	136,173	1,496,834
6/30/71	23,264	140,455	141,192	9,289	139,435	3,162	695	140,331	273,409	287,297	264,990	1,370,337
7/31/71	24,741	57,734	57,018	11,121	56,230	1,812	983	15,372	67,531	83,725	75,240	1,295,473
8/31/71	17,243	26,252	23,393	3,344	15,094	127	1,078	15,372	38,130	86,500	82,381	1,247,620
9/30/71	7,201	19,242	18,261	923	7,956	613	399	26,048	35,646	45,303	44,040	1,203,600
10/31/71	4,012	23,349	24,255	157	21,943	327	280	15,372	47,344	76,919	85,304	1,217,434
11/30/71	7,232	18,669	21,182	129	20,299	392	154	14,876	36,934	42,387	53,377	1,224,247

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	R. at State line AFM	La Plata R. at San Juan AFM	La Plata R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
12/31/71	16,122	14,304	16,039	126	18,384	597	664	15,372	34,948	45,666	56,215	1,246,482
1/31/72	2,012	11,317	12,570	126	15,824	512	938	15,372	40,508	34,313	38,951	1,253,638
2/29/72	3,008	10,295	11,734	118	14,421	829	1,060	16,100	40,559	31,173	37,831	1,264,616
3/31/72	11,029	29,009	32,172	800	28,336	1,329	95	15,372	49,694	33,410	39,105	1,308,651
4/30/72	8,790	40,493	43,074	1,501	28,044	1,216	245	18,778	42,456	48,182	32,375	1,332,487
5/31/72	13,646	99,222	91,736	13,014	92,849	2,538	537	15,372	93,902	91,185	79,417	1,351,346
6/30/72	22,815	100,517	97,660	11,356	99,871	1,956	700	14,876	106,654	136,386	114,721	1,334,111
7/31/72	25,664	23,984	22,970	448	5,069	1,135	986	44,254	51,360	47,213	38,598	1,219,570
8/31/72	17,515	14,094	12,918	1,482	0	669	667	44,816	49,339	51,659	36,503	1,127,728
9/30/72	11,881	21,207	23,494	1,314	10,818	487	483	23,182	33,552	41,560	42,735	1,087,342
10/31/72	15,002	67,538	83,010	1,924	96,651	6,949	7,859	15,372	133,616	279,684	319,937	1,189,975
11/30/72	23,963	30,304	35,840	484	41,280	2,099	2,069	14,876	68,625	55,909	79,952	1,229,861
12/31/72	17,727	20,170	21,520	125	25,533	1,478	1,850	15,372	51,047	41,480	51,943	1,256,658
1/31/73	3,951	16,683	19,432	125	22,164	1,215	1,700	15,372	41,373	38,665	51,634	1,268,997
2/28/73	4,430	14,012	16,637	113	19,219	1,408	2,127	13,884	40,368	66,285	92,918	1,289,282
3/31/73	37,420	21,269	40,341	4,289	49,940	3,043	4,290	169,091	245,823	286,026	316,903	1,235,893
4/30/73	57,055	46,640	76,821	7,975	90,313	16,457	17,357	223,141	310,868	415,103	450,220	1,226,621
5/31/73	104,652	220,574	266,419	14,218	269,446	24,903	21,229	307,438	558,524	662,756	652,812	1,321,932
6/30/73	87,850	285,639	295,886	27,535	306,410	15,030	11,283	212,565	494,169	520,685	500,833	1,437,162
7/31/73	44,808	145,362	159,303	12,432	152,509	2,617	725	15,970	137,185	149,594	148,968	1,490,657
8/31/73	28,185	41,571	42,286	6,614	30,909	1,379	794	29,890	44,007	35,579	32,281	1,457,619
9/30/73	31,901	24,647	29,691	2,530	25,787	942	391	27,346	43,944	54,063	58,314	1,457,884
10/31/73	17,708	15,873	17,456	1,510	13,229	557	205	34,356	40,441	40,657	43,502	1,456,344
11/30/73	12,094	11,530	13,838	122	12,939	412	302	23,964	31,240	36,810	40,459	1,463,184
12/31/73	10,859	10,098	12,649	126	13,463	785	812	28,004	38,747	44,059	47,737	1,463,313
1/31/74	2,015	9,179	11,618	126	14,477	645	1,517	15,372	34,857	38,653	43,900	1,469,154
2/28/74	2,249	8,137	9,247	114	11,649	666	633	13,884	33,742	36,114	39,856	1,471,261
3/31/74	11,406	11,253	15,696	1,390	17,973	918	369	15,372	39,107	45,645	52,557	1,517,131
4/30/74	5,995	21,500	24,087	806	15,626	952	192	28,651	37,013	52,580	31,759	1,527,478
5/31/74	15,626	110,776	102,364	15,737	98,179	3,435	518	46,612	128,515	124,431	113,825	1,533,530
6/30/74	25,631	75,502	69,688	10,742	60,927	2,065	842	112,066	166,159	178,871	159,485	1,394,214
7/31/74	18,720	32,908	34,235	2,023	16,227	615	799	23,522	38,973	40,357	32,281	1,312,446
8/31/74	18,845	15,963	15,302	1,841	3,793	832	761	46,879	43,957	47,848	34,859	1,222,777
9/30/74	4,352	9,940	9,682	180	0	570	485	47,634	45,579	36,719	32,808	1,142,158
10/31/74	5,462	13,208	16,635	128	16,954	294	1,266	15,372	41,390	55,786	60,895	1,141,918
11/30/74	3,777	12,955	15,074	122	17,044	326	110	14,876	40,411	48,282	58,550	1,143,927
12/31/74	2,133	9,628	10,849	125	12,172	296	421	15,372	35,293	37,813	40,704	1,136,901

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
1/31/75	1,448	9,155	11,131	125	12,877	258	428	15,372	39,559	42,614	42,129	1,130,281
2/28/75	2,043	7,332	9,064	114	11,011	564	756	13,884	33,988	34,922	37,302	1,128,368
3/31/75	22,487	13,278	24,718	1,940	37,435	2,392	2,596	15,372	72,107	79,594	93,455	1,180,965
4/30/75	40,125	33,543	55,694	5,029	57,030	9,226	7,913	20,826	74,639	87,384	96,715	1,343,670
5/31/75	45,367	160,249	177,274	5,200	175,256	15,497	9,710	307,438	463,806	475,928	468,404	1,279,439
6/30/75	83,148	278,868	278,700	13,633	275,464	9,649	4,776	211,362	459,946	469,610	453,714	1,350,662
7/31/75	48,302	182,672	189,139	10,880	177,961	3,605	739	15,372	179,733	215,049	219,785	1,434,120
8/31/75	21,693	37,830	39,267	6,921	25,719	1,783	803	15,372	32,890	40,557	37,791	1,387,785
9/30/75	26,907	19,943	21,259	2,302	13,386	392	382	14,876	31,658	39,084	42,724	1,385,565
10/31/75	12,789	11,425	11,703	1,340	8,107	588	223	26,279	32,281	34,700	36,177	1,371,535
11/30/75	12,990	10,537	12,499	122	13,205	202	53	16,446	32,382	32,248	35,010	1,379,067
12/31/75	10,277	10,212	11,566	125	12,716	276	273	17,412	37,982	33,323	37,041	1,387,592
1/31/76	2,664	8,731	10,023	126	10,452	268	655	17,410	33,191	37,084	36,374	1,386,057
2/29/76	6,311	9,444	12,246	118	13,963	609	498	14,617	35,268	31,173	39,794	1,399,914
3/31/76	12,885	13,530	16,696	2,628	19,314	634	36	15,372	37,710	35,649	38,829	1,435,666
4/30/76	19,462	33,843	38,005	3,831	32,683	1,993	254	22,687	46,466	44,062	31,671	1,484,793
5/31/76	14,597	128,192	127,942	4,285	117,207	4,319	509	112,562	215,144	205,402	196,132	1,500,956
6/30/76	27,842	135,475	134,080	11,134	129,716	2,642	600	178,017	292,173	304,812	287,416	1,396,441
7/31/76	25,304	43,223	46,559	6,552	34,322	939	1,931	15,372	48,094	39,533	33,401	1,356,236
8/31/76	14,317	23,572	23,517	6,240	12,111	605	756	28,518	32,281	45,425	37,961	1,284,491
9/30/76	20,919	19,747	19,571	2,410	11,655	71	371	27,379	35,199	41,222	44,285	1,265,447
10/31/76	27,363	19,372	21,835	1,050	20,184	466	183	15,372	33,531	35,206	37,053	1,278,194
11/30/76	12,141	10,370	10,952	122	13,562	232	7	22,371	31,240	41,431	42,545	1,273,465
12/31/76	7,716	9,150	11,513	125	11,955	96	167	23,506	43,039	34,215	33,323	1,266,202
1/31/77	357	7,632	11,449	123	11,101	66	292	24,209	44,110	40,674	33,323	1,254,320
2/28/77	996	7,112	8,434	111	9,534	40	45	16,852	34,429	36,496	36,070	1,248,060
3/31/77	5,034	7,457	7,408	469	7,784	139	35	26,321	33,578	43,984	38,570	1,236,817
4/30/77	3,683	14,188	16,596	1,511	1,895	618	307	44,046	40,147	70,042	44,612	1,199,312
5/31/77	12,358	30,831	25,627	10,037	13,620	928	445	42,706	50,332	52,403	40,597	1,146,231
6/30/77	25,213	42,868	41,362	1,366	22,330	1,524	785	28,371	50,431	57,395	37,126	1,079,539
7/31/77	12,504	22,244	27,789	704	2,895	1,230	761	20,429	32,856	54,509	45,114	990,628
8/31/77	11,945	26,356	29,033	786	14,577	632	1,127	15,372	42,966	61,378	63,342	948,279
9/30/77	5,393	20,288	20,232	348	5,501	582	440	39,326	41,649	44,058	45,023	893,703
10/31/77	6,810	14,026	15,856	606	8,865	301	231	32,910	41,314	40,787	41,598	870,549
11/30/77	2,361	10,514	11,272	121	12,951	64	21	17,592	32,467	40,823	40,037	862,644
12/31/77	2,020	9,227	9,426	127	10,918	56	8	15,372	33,196	37,001	35,708	852,588
1/31/78	1,826	8,375	9,015	125	10,256	181	4	15,372	38,686	39,119	42,227	844,440

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
2/28/78	1,829	7,338	8,564	113	8,544	172	9	13,884	38,257	41,393	44,891	838,915
3/31/78	14,872	13,209	24,086	526	28,578	768	956	15,372	61,538	73,161	80,053	881,782
4/30/78	12,265	57,440	70,754	1,165	73,133	5,433	1,962	14,876	74,617	98,867	88,044	959,963
5/31/78	10,404	125,953	132,291	1,449	126,141	5,157	2,123	15,372	150,668	151,062	144,124	1,052,454
6/30/78	22,274	212,764	215,767	6,691	208,302	3,854	575	14,876	215,907	229,508	192,803	1,124,400
7/31/78	26,295	64,374	68,864	6,174	53,038	2,367	944	15,372	63,935	65,751	52,484	1,064,778
8/31/78	21,113	18,549	16,869	6,676	2,920	839	744	52,219	48,219	42,616	33,078	961,048
9/30/78	14,106	11,446	10,565	1,101	1,145	431	448	41,507	45,597	39,953	31,240	904,237
10/31/78	5,833	10,778	11,426	413	8,012	168	144	25,169	45,695	39,666	33,963	883,248
11/30/78	5,728	11,673	16,968	346	20,541	118	245	14,876	47,994	55,453	64,448	889,472
12/31/78	2,822	10,039	13,381	125	15,597	121	11	15,372	41,657	50,231	59,685	889,365
1/31/79	3,109	10,040	12,152	125	15,152	156	5,999	15,372	44,297	65,843	76,372	888,372
2/28/79	2,908	9,112	12,666	113	15,141	264	4,792	13,884	51,068	97,301	113,011	890,514
3/31/79	41,456	16,607	34,104	3,599	51,079	2,892	5,911	138,347	199,345	237,666	263,842	879,231
4/30/79	79,803	78,303	122,898	7,355	148,587	20,504	21,505	193,388	319,194	381,475	480,210	1,022,955
5/31/79	113,524	226,267	255,799	11,536	261,146	21,530	18,564	307,438	547,198	636,557	638,259	1,135,418
6/30/79	81,621	283,267	307,319	25,302	295,031	8,772	6,397	211,580	481,329	518,797	506,548	1,297,145
7/31/79	36,532	126,700	131,146	7,455	127,477	3,803	841	15,372	118,429	127,784	113,120	1,407,041
8/31/79	32,492	38,650	35,034	11,022	28,693	1,595	641	15,372	34,225	55,065	39,591	1,396,096
9/30/79	17,738	16,339	14,757	8,506	20,631	967	617	31,181	38,727	38,807	38,171	1,341,766
10/31/79	16,927	12,374	10,790	3,557	9,906	484	181	22,623	32,281	33,587	39,184	1,324,350
11/30/79	12,644	10,107	13,274	121	14,338	365	7	20,504	31,240	37,553	42,097	1,324,315
12/31/79	10,566	10,014	13,283	125	14,140	483	784	15,372	34,961	35,569	38,406	1,335,080
1/31/80	3,233	10,002	11,317	125	14,510	739	1,296	15,372	40,118	43,901	63,741	1,341,400
2/29/80	9,642	9,696	16,216	139	19,477	1,423	2,457	14,380	45,682	54,359	106,982	1,367,695
3/31/80	23,950	12,411	26,140	2,511	31,905	2,563	2,526	15,372	40,974	64,119	88,929	1,419,394
4/30/80	60,948	57,817	89,338	6,571	97,173	21,451	23,951	252,893	344,385	387,375	443,599	1,404,473
5/31/80	61,887	163,823	191,900	8,720	183,511	22,601	21,822	295,537	470,089	523,867	548,263	1,370,150
6/30/80	80,630	307,066	310,937	16,004	307,996	13,017	9,984	211,614	519,499	546,508	510,373	1,442,945
7/31/80	25,885	86,502	88,316	8,602	76,093	3,380	934	15,372	89,305	93,392	94,553	1,412,721
8/31/80	19,098	28,210	27,330	8,915	11,966	1,479	778	39,613	37,507	38,070	32,281	1,340,162
9/30/80	38,414	27,090	28,077	2,673	19,642	1,236	385	18,282	31,240	33,748	42,355	1,357,675
10/31/80	18,560	14,049	14,892	755	10,758	723	168	34,742	40,836	41,647	43,724	1,348,111
11/30/80	13,958	10,891	13,683	123	14,616	509	708	20,325	31,240	33,608	41,522	1,359,364
12/31/80	11,502	10,196	12,376	127	14,196	770	914	20,132	32,281	36,033	35,140	1,363,989
1/31/81	2,256	8,660	9,431	127	12,367	708	564	22,732	32,281	39,459	38,314	1,357,046
2/28/81	1,731	6,144	7,772	115	9,223	496	294	22,590	29,157	32,757	36,751	1,347,670

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
3/31/81	8,276	7,251	10,293	1,374	12,805	468	39	21,300	32,281	43,358	43,561	1,347,475
4/30/81	7,229	30,753	35,798	1,461	22,321	1,587	276	21,801	37,661	42,452	37,134	1,359,119
5/31/81	9,132	74,236	71,466	6,422	52,240	3,191	442	15,372	59,765	62,305	54,210	1,376,954
6/30/81	24,787	106,359	125,522	6,276	89,889	2,818	775	14,876	98,337	100,025	89,894	1,396,144
7/31/81	16,813	47,178	48,172	6,247	29,407	1,885	723	15,372	44,679	57,898	65,604	1,333,179
8/31/81	20,273	22,801	23,928	7,319	12,148	620	859	33,358	40,217	49,045	41,550	1,263,906
9/30/81	13,317	23,182	20,904	3,336	8,433	620	600	19,460	31,240	37,209	50,372	1,233,564
10/31/81	10,035	32,336	33,185	161	32,995	498	693	15,372	61,935	63,357	68,576	1,259,876
11/30/81	18,404	17,095	19,005	123	19,618	397	32	18,790	31,240	41,477	47,861	1,280,755
12/31/81	11,834	12,159	12,997	127	15,602	632	463	19,417	32,281	45,067	45,317	1,283,099
1/31/82	2,026	10,462	11,903	127	14,176	453	177	17,885	33,880	41,408	43,245	1,278,628
2/28/82	5,317	9,651	11,550	115	15,000	541	550	13,884	34,022	46,578	51,145	1,282,089
3/31/82	19,502	14,059	18,519	1,032	26,581	2,025	1,312	15,372	46,108	56,623	60,479	1,352,279
4/30/82	21,389	46,075	48,816	1,077	48,072	4,248	1,511	14,876	61,024	68,292	62,630	1,468,110
5/31/82	19,529	131,967	133,395	3,117	126,639	5,417	1,276	112,562	223,121	232,852	208,185	1,518,484
6/30/82	32,937	192,569	187,782	12,983	180,587	5,150	755	189,098	362,873	354,059	341,108	1,449,674
7/31/82	24,216	97,373	95,879	12,032	86,623	2,687	906	30,098	120,652	113,244	99,050	1,415,513
8/31/82	22,571	67,999	70,010	4,232	51,828	334	783	15,372	81,098	95,740	131,143	1,430,556
9/30/82	56,165	60,673	65,834	1,544	54,500	117	777	14,876	77,350	73,912	90,442	1,523,752
10/31/82	29,983	28,880	32,146	702	25,052	471	222	15,372	44,949	42,186	48,363	1,573,388
11/30/82	17,833	16,380	17,248	123	22,192	510	470	14,876	41,144	43,151	56,114	1,600,055
12/31/82	15,287	13,717	14,692	127	21,832	903	1,614	20,231	37,430	33,323	51,196	1,625,416
1/31/83	2,962	10,492	12,426	127	18,085	871	1,002	15,372	32,295	37,328	45,978	1,639,190
2/28/83	5,430	10,287	13,317	115	16,869	1,409	2,445	13,884	36,046	46,758	52,160	1,658,389
3/31/83	18,327	19,694	29,191	2,217	36,796	4,078	4,615	169,091	206,017	220,664	282,473	1,588,946
4/30/83	28,198	36,706	47,521	4,448	54,880	11,395	12,431	193,388	244,198	276,133	333,486	1,541,185
5/31/83	25,178	144,690	163,951	5,875	140,005	15,948	12,321	307,438	432,555	478,038	521,384	1,411,644
6/30/83	60,898	249,249	260,733	18,804	245,112	8,628	3,484	212,490	451,709	484,367	487,172	1,441,338
7/31/83	30,888	143,326	143,575	8,875	132,979	4,221	849	16,035	142,809	155,360	180,535	1,471,215
8/31/83	28,821	55,452	56,256	8,329	45,173	1,422	704	15,372	64,595	60,654	93,420	1,466,319
9/30/83	21,457	22,389	18,849	8,037	13,804	989	481	35,443	34,602	35,441	36,020	1,428,037
10/31/83	30,265	27,683	30,668	1,501	34,188	508	237	15,372	51,441	52,343	65,247	1,478,116
11/30/83	15,670	14,559	17,507	129	19,339	1,016	1,298	14,876	33,119	32,550	40,864	1,497,953
12/31/83	14,630	13,708	15,433	127	19,824	1,434	1,991	15,372	39,618	40,254	49,635	1,521,034
1/31/84	2,763	12,671	14,502	127	17,060	1,141	1,639	17,029	33,570	33,323	33,325	1,528,173
2/29/84	3,016	11,603	12,856	119	15,068	1,166	1,646	17,228	37,755	42,092	40,529	1,536,455
3/31/84	21,492	19,277	25,784	2,204	30,894	4,288	4,440	15,372	52,159	59,055	69,137	1,619,702

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
4/30/84	27,492	43,065	46,302	3,797	50,885	7,416	5,067	193,388	241,840	273,530	280,137	1,546,576
5/31/84	19,330	234,469	232,421	10,236	218,037	6,605	1,848	200,331	396,880	460,488	414,042	1,578,591
6/30/84	49,736	187,099	182,526	13,707	171,270	3,942	729	212,466	374,139	444,629	391,036	1,470,007
7/31/84	25,681	104,339	100,890	12,642	88,792	1,764	876	15,372	103,084	117,538	103,885	1,424,926
8/31/84	33,219	63,324	61,165	7,566	50,142	487	790	15,372	74,965	87,236	95,537	1,418,734
9/30/84	31,602	34,606	38,511	3,911	28,458	908	478	17,970	35,253	43,832	60,535	1,424,630
10/31/84	38,837	34,800	39,845	218	38,292	651	693	15,372	52,889	57,972	69,268	1,495,502
11/30/84	20,437	21,976	25,101	128	26,725	682	1,207	14,876	45,537	48,244	47,403	1,527,908
12/31/84	19,271	16,669	20,738	127	23,790	1,321	1,983	15,372	43,278	49,004	54,808	1,566,081
1/31/85	4,130	13,340	16,066	127	19,127	1,085	2,280	18,319	38,960	44,075	54,423	1,576,620
2/28/85	5,262	12,163	15,275	115	16,720	960	1,571	13,884	41,959	46,461	63,914	1,600,699
3/31/85	30,443	22,588	37,843	3,404	41,755	5,137	5,412	292,066	337,024	323,818	355,383	1,485,811
4/30/85	47,743	106,312	115,696	5,689	122,995	14,652	14,979	297,521	404,564	440,385	462,118	1,500,452
5/31/85	73,894	199,473	201,028	6,836	201,013	8,792	7,083	307,438	479,746	513,716	497,150	1,500,798
6/30/85	72,544	259,860	260,564	20,641	261,701	4,384	670	218,094	470,931	469,879	445,320	1,599,985
7/31/85	26,047	99,128	95,636	12,385	82,785	2,517	954	42,811	125,742	130,565	133,359	1,590,245
8/31/85	25,170	35,462	33,456	11,807	26,391	1,318	839	28,993	42,096	45,914	42,464	1,555,298
9/30/85	35,288	42,665	40,614	4,646	38,064	237	1,197	16,362	67,061	62,992	69,258	1,584,235
10/31/85	33,293	37,689	39,440	827	40,319	1,269	859	15,372	56,520	63,404	68,094	1,654,633
11/30/85	21,861	23,662	26,154	123	28,807	1,536	1,741	22,823	55,878	56,286	72,191	1,684,730
12/31/85	15,544	18,029	20,667	127	22,681	1,379	1,868	36,951	66,605	68,058	83,205	1,688,051
1/31/86	2,372	15,714	17,763	127	20,792	1,123	1,452	15,372	46,799	45,634	54,061	1,697,569
2/28/86	4,299	15,051	19,188	115	21,628	1,594	1,774	39,722	71,698	77,162	95,391	1,701,299
3/31/86	18,220	31,839	36,294	1,677	38,974	4,932	4,333	230,579	272,586	284,687	303,026	1,576,649
4/30/86	39,296	67,188	84,961	5,405	71,973	8,067	10,959	297,521	365,517	397,236	453,124	1,489,925
5/31/86	57,237	173,691	179,701	5,485	160,167	5,934	2,901	307,438	454,661	466,351	475,949	1,385,194
6/30/86	54,585	224,118	206,970	26,557	225,557	3,736	3,634	214,414	447,788	430,494	423,120	1,430,364
7/31/86	45,209	120,072	111,804	15,627	127,470	1,145	6,318	53,886	214,279	239,468	230,760	1,510,995
8/31/86	33,607	37,350	40,650	4,294	21,320	335	1,500	45,456	66,740	75,118	68,524	1,467,446
9/30/86	49,417	47,261	53,318	1,339	45,887	1,378	2,930	33,347	79,064	96,895	115,248	1,509,031
10/31/86	48,670	53,463	60,633	495	65,371	4,230	7,164	34,853	105,537	109,592	131,296	1,608,000
11/30/86	39,786	37,986	49,124	1,100	55,487	4,706	8,283	47,913	109,812	117,315	159,534	1,695,900
12/31/86	20,420	22,707	29,508	291	34,000	3,196	4,389	69,002	102,518	113,847	133,306	1,686,302
1/31/87	3,985	15,566	19,798	127	23,271	1,740	2,650	15,372	38,266	51,913	54,588	1,698,547
2/28/87	8,586	13,690	23,482	511	24,895	2,603	4,127	49,628	86,864	106,579	124,717	1,701,300
3/31/87	29,456	24,347	38,705	4,813	48,959	6,372	9,490	230,579	286,101	299,363	348,448	1,593,349
4/30/87	47,921	84,780	103,558	9,058	115,847	20,246	23,468	282,645	387,246	432,460	446,737	1,537,682

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
5/31/87	55,529	192,923	194,160	13,356	204,515	8,920	6,520	295,537	502,665	542,055	535,666	1,487,610
6/30/87	76,058	232,731	212,958	29,497	243,828	5,205	735	211,952	457,552	434,547	456,322	1,542,572
7/31/87	30,547	91,757	87,601	14,125	80,478	2,653	796	15,372	111,048	101,899	105,165	1,528,717
8/31/87	35,507	44,890	43,367	7,568	33,406	1,254	592	15,372	51,946	51,132	60,393	1,515,422
9/30/87	20,882	21,470	23,087	3,788	11,198	1,142	537	26,187	36,450	33,045	31,946	1,484,271
10/31/87	18,832	16,904	18,732	805	16,312	800	190	16,019	33,491	33,065	45,223	1,489,072
11/30/87	21,444	19,207	27,167	613	29,221	1,984	3,347	14,876	45,946	59,530	111,655	1,521,626
12/31/87	12,432	12,070	15,120	127	19,282	1,376	1,983	15,372	40,797	46,707	56,339	1,530,816
1/31/88	2,205	10,418	16,599	155	16,625	1,263	2,297	15,372	37,777	44,474	51,572	1,528,287
2/29/88	4,075	10,730	15,653	119	16,877	1,618	3,038	14,380	37,556	50,763	66,551	1,533,192
3/31/88	17,777	16,919	25,007	2,706	27,852	2,705	2,823	15,372	43,478	78,965	70,300	1,583,677
4/30/88	19,907	40,810	45,546	3,299	44,725	2,513	557	20,826	58,242	75,987	96,802	1,647,921
5/31/88	13,898	100,011	96,890	8,968	89,841	4,295	464	200,331	285,407	287,786	283,489	1,518,924
6/30/88	22,862	128,114	123,610	13,186	116,834	3,753	663	211,240	329,565	334,515	329,519	1,343,254
7/31/88	24,664	39,798	43,204	6,453	33,234	2,352	1,094	19,155	44,480	45,306	32,281	1,287,250
8/31/88	17,195	35,133	34,686	6,399	30,096	930	599	15,372	75,715	98,884	78,045	1,276,939
9/30/88	23,080	35,072	35,752	3,281	24,145	1,581	508	14,876	50,881	64,557	65,847	1,262,978
10/31/88	18,401	19,819	25,079	1,515	19,322	800	252	16,401	33,898	34,148	40,458	1,263,417
11/30/88	15,313	12,806	16,415	131	20,736	797	303	16,694	31,573	35,997	50,775	1,272,800
12/31/88	12,635	10,707	14,594	127	18,990	739	1,632	19,395	32,281	36,446	53,479	1,275,602
1/31/89	2,961	9,417	15,478	246	17,151	916	1,215	15,871	32,281	36,019	46,008	1,274,646
2/28/89	4,613	9,811	14,103	115	15,901	1,175	1,735	13,884	32,198	34,845	53,527	1,283,611
3/31/89	21,025	34,605	44,079	642	33,583	4,004	4,250	15,372	53,287	75,362	72,673	1,384,257
4/30/89	8,699	77,503	80,577	3,158	65,066	3,026	407	14,876	75,639	93,226	79,423	1,487,043
5/31/89	18,081	110,798	98,520	19,831	94,398	3,576	634	46,612	125,729	131,375	124,440	1,510,044
6/30/89	25,197	80,424	72,207	3,916	55,681	2,515	808	112,066	157,966	152,736	148,556	1,409,092
7/31/89	25,798	34,891	30,156	450	9,414	1,503	783	36,110	44,286	41,401	32,702	1,329,194
8/31/89	21,760	29,280	29,236	2,362	11,531	1,205	643	29,896	39,482	43,551	50,567	1,276,853
9/30/89	12,574	12,730	11,744	1,276	4,051	759	475	42,644	46,396	37,447	33,003	1,212,536
10/31/89	6,042	15,643	18,119	667	14,320	253	133	23,460	38,830	35,657	42,815	1,203,197
11/30/89	1,216	9,153	11,700	123	13,494	124	21	14,876	31,317	36,571	35,995	1,195,209
12/31/89	1,337	6,234	10,062	126	13,026	125	24	16,193	32,281	34,417	38,456	1,184,014
1/31/90	1,460	5,828	9,896	127	12,098	178	42	17,576	32,281	35,739	35,872	1,173,382
2/28/90	1,959	5,357	7,952	115	9,614	297	51	15,760	30,430	30,098	36,046	1,166,695
3/31/90	10,072	8,420	10,908	263	12,542	650	65	19,368	32,281	34,095	40,732	1,176,584
4/30/90	12,888	23,008	26,349	735	14,829	1,125	289	24,873	31,240	33,454	33,169	1,210,206
5/31/90	11,365	97,718	97,835	4,434	82,101	3,691	373	15,372	94,158	100,608	87,195	1,286,232

Model Output - Future Condition without Project

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6/30/90	23,974	131,884	131,857	10,296	116,344	3,428	838	14,876	131,971	132,500	101,556	1,329,763
7/31/90	19,409	44,162	45,865	5,797	28,602	1,791	838	15,372	39,908	41,288	37,449	1,286,317
8/31/90	17,263	25,015	22,030	4,448	8,505	127	1,666	31,432	32,281	40,777	40,791	1,236,148
9/30/90	28,436	24,912	22,377	2,188	13,410	616	483	21,382	32,431	39,081	44,545	1,221,358
10/31/90	34,779	37,738	41,785	1,061	42,986	727	187	15,372	61,716	71,941	81,981	1,270,278
11/30/90	20,925	20,435	23,950	221	28,469	299	36	14,876	45,719	53,318	57,056	1,300,116
12/31/90	12,704	11,871	16,234	237	19,598	146	256	15,372	39,087	50,323	46,812	1,310,337
1/31/91	2,480	9,874	13,080	127	15,968	132	299	15,372	39,455	54,288	47,779	1,311,931
2/28/91	4,942	9,984	12,242	115	14,297	663	1,784	13,884	43,904	57,728	72,861	1,321,065
3/31/91	8,626	13,292	17,626	242	21,035	922	1,218	15,372	40,698	43,249	55,038	1,359,900
4/30/91	17,106	49,248	53,936	793	44,837	2,841	1,032	14,876	58,394	65,349	58,335	1,484,960
5/31/91	11,981	137,121	125,555	16,813	117,636	4,636	472	74,876	195,778	204,912	173,025	1,520,392
6/30/91	25,771	132,171	124,631	14,900	116,925	3,772	648	140,331	269,462	271,987	255,100	1,442,012
7/31/91	25,216	45,691	40,980	3,077	25,319	2,346	964	33,452	40,868	45,166	32,281	1,368,820
8/31/91	18,121	24,250	24,456	2,156	3,285	886	671	51,064	42,007	42,813	37,444	1,297,835
9/30/91	23,086	44,275	49,643	2,295	32,978	1,477	459	14,876	53,014	57,275	54,285	1,322,069
10/31/91	13,973	13,986	15,257	1,425	12,742	516	199	31,598	45,876	40,373	33,866	1,305,020
11/30/91	18,885	13,726	19,099	373	24,042	388	659	14,876	45,347	61,784	70,067	1,329,753
12/31/91	12,827	11,250	17,225	296	20,156	467	548	15,372	37,132	49,586	56,501	1,350,363
1/31/92	1,583	8,438	14,128	253	15,750	369	533	15,372	32,359	36,990	37,983	1,351,792
2/29/92	4,546	9,321	14,466	122	17,879	695	921	14,380	41,245	55,537	68,260	1,368,059
3/31/92	15,052	14,843	24,832	1,457	27,762	2,425	948	15,372	44,916	48,964	50,512	1,435,007
4/30/92	16,677	62,091	85,145	2,708	63,961	6,596	3,686	20,826	86,088	119,462	88,406	1,564,084
5/31/92	14,129	160,541	179,879	2,349	144,385	8,217	5,942	200,331	342,265	381,772	353,443	1,530,240
6/30/92	39,021	124,883	141,409	6,470	114,002	3,641	794	211,240	319,047	329,903	305,224	1,398,413
7/31/92	23,713	55,920	54,652	10,350	41,534	2,459	787	15,372	57,208	66,142	67,914	1,361,141
8/31/92	19,874	34,225	33,617	7,213	20,031	1,440	675	22,496	40,309	37,512	33,902	1,329,404
9/30/92	26,263	23,201	23,099	3,859	14,576	563	322	23,531	31,240	39,808	48,988	1,321,381
10/31/92	15,447	14,507	16,147	1,211	12,409	348	148	23,881	34,925	37,399	40,489	1,313,698
11/30/92	14,250	13,224	14,604	123	18,104	316	347	14,876	34,415	41,994	48,876	1,322,513
12/31/92	11,471	10,433	14,705	128	17,724	343	1,458	15,372	34,275	42,621	45,823	1,332,747
1/31/93	2,586	10,818	13,947	126	16,115	782	4,281	15,372	48,174	66,704	109,873	1,341,142
2/28/93	4,107	10,174	15,427	118	17,262	1,136	2,738	13,884	57,584	52,589	94,734	1,357,154
3/31/93	42,583	28,363	59,740	3,717	62,142	7,859	10,041	15,372	85,945	94,955	112,552	1,516,278
4/30/93	44,166	70,142	94,154	5,350	84,097	16,493	18,455	193,388	267,475	300,229	307,063	1,536,334
5/31/93	34,481	232,259	245,035	5,727	234,171	14,694	14,810	251,405	462,994	518,546	485,220	1,548,385
6/30/93	77,620	235,789	235,942	19,909	247,461	5,207	2,450	213,722	463,720	480,071	441,101	1,548,840

Model Output - Future Condition without Project

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
7/31/93	25,504	85,367	87,960	7,516	71,597	3,339	890	15,372	94,638	85,485	80,316	1,510,756
8/31/93	20,759	38,737	40,224	2,680	26,197	1,523	534	20,179	43,998	52,945	37,770	1,508,472
9/30/93	35,940	28,727	38,770	3,125	36,514	1,104	415	14,876	51,679	62,503	60,673	1,532,603
Average Annual	223,252	574,806	611,488	47,120	570,608	20,472	22,824	561,213	1,134,307	1,253,008	1,205,106	1,337,208

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	Juan AFM	AFM	AFM	AFM	AFM	AF	AF
10/31/28	11,625	10,371	15,775	129	8,339	402	1,576	21,843	32,281	38,084	40,620	1,324,384	120,000
11/30/28	13,868	12,105	17,750	129	17,198	433	1,418	14,876	35,541	49,761	57,455	1,346,974	120,000
12/31/28	10,056	11,134	14,671	126	16,634	573	1,062	15,372	34,485	39,013	41,978	1,353,576	120,000
1/31/29	1,496	9,379	12,855	126	14,432	574	1,213	16,467	33,120	34,604	36,242	1,349,211	120,000
2/28/29	2,610	6,926	10,978	114	10,915	753	1,718	15,893	29,157	39,356	45,344	1,346,559	118,966
3/31/29	14,345	9,257	17,943	2,649	20,754	2,008	2,513	15,372	38,697	69,596	86,705	1,399,479	120,000
4/30/29	31,436	45,345	61,047	6,649	57,816	7,052	6,568	20,826	80,428	120,595	133,420	1,535,388	120,000
5/31/29	23,046	165,854	177,827	8,624	163,775	11,306	9,088	200,331	363,064	378,062	375,674	1,531,563	120,000
6/30/29	50,789	196,030	213,598	21,386	211,927	5,581	7,298	215,745	426,445	426,422	420,744	1,466,837	120,000
7/31/29	22,304	86,971	101,777	6,056	82,427	2,245	6,543	53,221	134,078	190,958	215,946	1,403,854	120,000
8/31/29	55,561	83,925	93,735	10,985	84,244	3,038	7,928	36,305	119,959	257,550	325,103	1,551,979	120,000
9/30/29	48,677	68,536	76,282	9,364	72,548	658	2,837	32,819	106,251	207,609	258,958	1,685,819	120,000
10/31/29	25,023	30,647	37,380	3,123	35,025	568	1,589	57,727	94,791	101,378	104,616	1,701,300	120,000
11/30/29	14,707	12,319	17,819	1,576	18,850	169	1,191	36,592	59,104	61,278	62,689	1,701,300	120,000
12/31/29	9,943	9,876	13,106	629	15,276	285	739	38,277	56,164	59,171	61,596	1,684,581	120,000
1/31/30	1,578	7,686	10,842	126	11,954	349	986	19,035	33,314	33,358	34,336	1,676,852	119,942
2/28/30	2,900	7,623	12,101	473	12,959	691	1,647	13,884	29,298	42,096	51,878	1,687,094	120,000
3/31/30	12,083	11,037	19,774	3,697	22,774	1,999	2,236	32,360	57,338	58,282	65,781	1,696,727	120,000
4/30/30	18,253	58,833	73,432	6,104	66,624	5,398	3,564	133,884	201,043	205,642	204,265	1,699,891	120,000
5/31/30	9,867	98,646	103,138	9,410	89,641	4,837	3,150	200,331	289,602	288,591	284,357	1,555,800	120,000
6/30/30	24,953	139,417	143,449	12,071	125,696	3,684	3,290	211,240	335,795	376,921	394,907	1,380,963	120,000
7/31/30	16,520	42,147	48,208	4,060	25,429	1,380	2,751	15,372	39,483	63,808	76,507	1,350,762	120,000
8/31/30	18,751	38,005	40,910	9,552	24,073	1,535	2,919	15,372	38,088	119,602	162,598	1,356,546	120,000
9/30/30	12,425	13,388	17,680	4,999	4,658	566	2,148	26,997	31,801	33,904	35,357	1,316,300	115,694
10/31/30	16,312	9,838	13,850	1,320	7,016	345	1,521	24,544	33,589	33,217	32,962	1,311,964	115,469
11/30/30	13,085	9,570	13,672	122	11,816	204	1,194	15,891	31,240	32,557	33,489	1,318,562	112,001
12/31/30	9,600	7,686	9,997	126	10,761	277	632	20,062	33,337	33,366	34,212	1,319,125	111,808
1/31/31	1,349	8,018	10,211	126	10,620	213	641	20,836	33,705	33,362	34,193	1,308,819	110,109
2/28/31	2,057	6,414	9,045	114	8,016	290	974	18,764	29,157	43,358	51,856	1,304,782	106,850
3/31/31	7,577	7,954	12,420	186	10,268	596	1,161	20,707	33,345	33,292	34,596	1,310,785	102,792
4/30/31	9,864	12,308	17,090	1,098	7,550	2,001	1,998	24,212	33,033	31,616	33,071	1,329,074	99,843
5/31/31	12,745	43,308	45,003	6,561	28,545	3,455	1,915	46,612	74,209	70,394	67,144	1,334,671	109,201
6/30/31	22,945	71,093	73,488	12,234	54,014	2,896	3,283	112,066	164,795	189,756	200,955	1,229,690	110,043
7/31/31	22,923	24,664	29,865	8,735	9,744	1,921	2,946	24,043	32,281	68,405	88,099	1,165,981	104,622
8/31/31	20,386	20,207	23,519	2,318	260	765	2,941	33,576	32,281	56,874	69,758	1,102,098	93,955
9/30/31	12,732	13,757	18,043	1,647	4,117	110	2,435	26,117	31,240	48,762	57,432	1,088,225	89,932
10/31/31	7,022	13,006	17,802	1,477	12,988	194	1,569	16,928	32,281	70,360	89,810	1,118,850	94,108
11/30/31	3,015	9,599	14,060	123	12,282	491	1,506	15,499	31,240	43,187	49,735	1,126,914	90,459

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF	Ridges Basin Reservoir Content AF
12/31/31	3,996	7,686	10,698	126	11,910	609	1,200	17,908	32,284	38,239	42,011	1,125,284	91,340
1/31/32	2,583	7,686	10,898	126	11,900	901	1,758	18,558	32,668	33,358	34,234	1,121,463	91,096
2/29/32	6,213	7,190	11,625	118	11,698	1,248	2,386	16,124	30,198	115,744	160,675	1,156,618	90,026
3/31/32	24,467	8,058	20,013	1,618	23,783	3,182	3,450	15,372	41,716	50,742	54,927	1,282,511	98,432
4/30/32	47,455	55,081	75,241	3,546	68,913	10,315	8,454	193,388	263,831	285,014	283,593	1,407,518	109,154
5/31/32	43,399	188,012	196,861	3,860	180,895	10,758	7,479	307,438	488,261	501,665	497,596	1,414,924	118,653
6/30/32	67,806	193,312	204,119	14,258	195,134	5,133	5,779	211,941	405,867	405,051	399,850	1,428,686	119,479
7/31/32	26,719	90,302	98,107	6,853	77,859	887	2,919	15,372	91,643	100,799	104,017	1,470,711	120,000
8/31/32	33,590	50,023	53,348	6,053	35,847	337	4,114	15,372	50,515	87,076	105,714	1,511,332	120,000
9/30/32	23,254	16,054	20,352	4,830	7,564	559	2,291	23,425	31,240	61,045	76,753	1,498,041	119,203
10/31/32	17,321	9,838	13,895	1,177	7,208	383	1,560	23,045	32,281	35,485	37,084	1,499,009	118,684
11/30/32	11,980	9,521	13,617	123	11,791	365	1,321	16,071	31,240	32,715	33,832	1,504,717	116,464
12/31/32	9,355	7,686	9,769	126	10,308	452	807	20,551	33,253	33,361	34,143	1,502,880	115,876
1/31/33	1,326	5,334	7,146	126	6,851	346	851	24,432	33,434	34,461	35,875	1,492,352	114,178
2/28/33	2,670	5,314	7,989	114	6,718	496	1,278	20,158	29,157	42,972	51,060	1,486,502	110,919
3/31/33	12,395	7,686	13,881	3,117	15,972	1,236	1,668	15,372	33,847	40,592	45,461	1,512,443	110,825
4/30/33	16,985	13,433	20,371	5,012	18,210	3,127	3,554	20,826	41,997	42,071	41,275	1,523,729	112,937
5/31/33	9,804	69,816	74,576	5,769	59,413	5,083	4,176	200,331	259,935	259,334	254,942	1,355,136	120,000
6/30/33	24,340	161,306	161,851	14,532	147,942	3,076	3,173	211,240	357,716	371,514	375,789	1,254,458	120,000
7/31/33	17,079	43,055	47,222	9,530	27,705	2,223	2,856	15,372	41,374	87,778	110,564	1,213,974	120,000
8/31/33	20,378	17,242	22,540	8,670	6,198	1,169	2,912	28,002	32,439	54,443	66,461	1,157,478	111,017
9/30/33	10,387	16,075	20,910	3,174	8,537	229	2,207	21,718	31,240	67,280	86,173	1,159,087	110,380
10/31/33	18,392	9,867	13,882	1,576	6,991	467	1,556	23,026	32,281	58,565	71,712	1,174,212	111,428
11/30/33	12,833	9,577	13,645	127	10,867	211	1,201	16,925	31,240	32,558	33,457	1,183,360	107,164
12/31/33	9,797	7,686	10,118	126	10,455	335	766	19,612	32,583	38,432	42,158	1,184,883	107,186
1/31/34	1,430	7,643	9,975	126	9,941	410	1,008	20,885	33,074	35,472	37,514	1,178,327	105,488
2/28/34	1,913	7,317	10,368	114	9,195	839	1,618	17,967	29,540	30,372	31,563	1,174,673	102,229
3/31/34	9,000	7,709	13,270	627	10,572	1,566	1,562	20,481	32,969	33,498	33,932	1,190,114	100,765
4/30/34	7,343	30,848	37,094	2,596	25,482	2,470	1,375	14,876	40,908	38,840	36,975	1,227,869	106,141
5/31/34	14,677	60,664	54,268	11,511	43,094	2,692	1,813	15,372	58,298	77,612	85,625	1,234,067	115,645
6/30/34	22,018	22,373	24,729	2,368	310	1,648	2,895	32,080	31,240	58,282	72,477	1,144,393	103,223
7/31/34	25,113	13,274	15,548	1,978	236	1,725	2,638	37,828	36,654	56,633	69,001	1,046,799	90,697
8/31/34	11,492	13,133	16,616	226	260	975	2,707	35,867	35,193	53,152	63,895	962,776	77,529
9/30/34	4,811	12,337	16,251	300	1,016	663	2,187	29,067	31,240	40,552	44,886	914,330	67,819
10/31/34	4,182	9,831	13,082	209	3,834	396	1,541	27,233	32,434	35,441	36,923	885,449	61,412
11/30/34	1,284	9,161	12,951	123	10,624	192	1,223	17,326	31,240	32,347	33,334	876,122	55,785
12/31/34	1,442	7,835	10,115	126	10,577	389	903	20,200	33,133	34,216	35,539	864,790	54,187
1/31/35	1,475	7,528	9,996	126	10,344	638	1,383	19,815	32,281	40,634	45,735	855,574	52,489

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	Juan AFM	AFM	AFM	AFM	AFM	AF	AF
2/28/35	2,872	7,176	10,527	114	9,799	989	2,046	17,107	29,157	39,599	45,645	855,680	49,338
3/31/35	11,791	7,748	15,254	221	15,034	2,197	2,725	15,372	32,879	34,255	37,870	887,276	50,717
4/30/35	28,402	23,570	34,529	678	26,071	8,088	7,394	14,876	43,148	55,409	54,314	1,028,487	60,723
5/31/35	28,148	71,853	80,205	1,950	62,038	11,938	10,837	74,876	137,260	151,580	148,218	1,118,298	70,312
6/30/35	63,068	223,700	231,412	6,742	215,917	15,455	12,022	145,796	360,280	371,498	366,175	1,341,219	71,237
7/31/35	27,766	72,963	79,999	5,857	57,766	3,290	2,965	15,372	71,411	97,775	108,155	1,413,649	77,442
8/31/35	31,873	26,996	31,536	5,202	14,063	720	2,743	19,454	33,154	42,344	47,618	1,436,505	83,029
9/30/35	32,180	15,506	20,090	2,041	7,729	367	2,169	22,132	31,240	58,618	73,022	1,465,074	84,650
10/31/35	19,996	10,110	14,929	324	8,373	407	1,549	21,437	32,281	37,995	40,809	1,481,009	87,352
11/30/35	13,030	9,521	14,075	122	12,693	268	1,254	14,918	31,240	32,603	33,484	1,493,277	85,214
12/31/35	9,806	7,734	10,508	126	11,648	375	810	18,797	33,032	34,358	35,700	1,492,601	85,389
1/31/36	1,573	7,820	10,790	126	11,758	476	1,186	18,642	32,706	37,083	40,026	1,484,215	84,745
2/29/36	2,896	7,539	11,423	118	11,179	940	2,075	16,547	30,198	44,609	52,619	1,477,125	82,085
3/31/36	15,921	7,686	17,772	3,046	21,116	3,673	3,583	15,372	38,830	43,070	45,377	1,544,826	87,753
4/30/36	24,689	64,489	82,012	5,887	74,471	10,686	7,090	32,465	106,977	126,170	124,627	1,697,143	95,674
5/31/36	14,521	150,053	148,137	13,736	135,616	9,279	4,689	200,331	334,165	339,715	335,575	1,634,357	105,196
6/30/36	23,485	83,015	87,663	10,561	65,889	4,064	3,372	211,240	275,885	293,941	300,037	1,414,774	106,046
7/31/36	20,296	27,786	34,237	6,147	12,173	1,185	2,722	23,105	33,953	41,100	45,289	1,350,888	107,749
8/31/36	12,566	30,676	35,463	3,966	13,337	1,474	3,927	20,328	32,281	59,758	73,767	1,319,729	108,447
9/30/36	34,059	15,346	20,188	3,433	8,716	164	2,220	21,160	31,240	67,528	86,148	1,334,065	109,132
10/31/36	23,856	9,838	14,723	336	8,823	496	1,876	20,618	32,345	40,310	44,604	1,348,344	109,551
11/30/36	20,086	9,521	14,486	123	13,314	419	1,443	14,876	31,738	37,906	41,991	1,373,016	109,774
12/31/36	13,067	7,686	10,630	126	11,917	572	1,120	18,557	33,066	39,113	43,551	1,377,529	110,827
1/31/37	2,495	7,794	10,803	126	11,740	647	1,346	19,675	33,725	33,358	34,459	1,369,159	110,276
2/28/37	3,319	6,968	11,020	114	10,935	791	1,696	15,783	29,157	94,821	130,713	1,371,335	109,026
3/31/37	15,622	7,686	16,987	2,345	19,608	1,453	2,165	15,372	37,522	74,219	94,607	1,457,222	113,009
4/30/37	43,873	57,154	74,163	5,038	67,045	8,885	7,158	163,636	231,562	270,039	281,514	1,610,635	120,000
5/31/37	32,676	194,471	190,258	13,530	178,250	8,298	4,353	307,438	484,002	492,929	488,982	1,592,415	120,000
6/30/37	52,518	100,662	103,045	11,001	82,794	3,287	3,220	211,240	292,927	296,405	293,979	1,492,794	120,000
7/31/37	17,309	35,948	40,249	6,950	20,549	2,378	2,673	15,372	34,657	75,112	94,293	1,468,318	120,000
8/31/37	21,293	17,963	22,725	9,797	6,010	1,475	2,763	27,889	32,504	44,473	50,701	1,415,944	110,939
9/30/37	17,489	13,946	18,555	3,672	4,894	527	2,108	25,930	31,240	46,872	55,112	1,380,591	104,147
10/31/37	16,841	9,838	14,028	1,410	5,829	453	1,522	25,160	32,281	61,488	76,882	1,380,721	103,613
11/30/37	12,927	9,521	13,914	122	11,696	149	1,102	17,484	32,445	32,381	33,245	1,387,556	100,834
12/31/37	9,988	7,721	10,401	126	11,340	150	508	19,998	33,839	38,391	42,055	1,385,104	100,503
1/31/38	2,046	7,823	10,750	126	11,559	175	683	20,211	34,007	36,992	39,886	1,376,071	99,433
2/28/38	3,540	7,051	11,055	114	10,816	437	1,305	16,550	29,731	37,974	44,879	1,372,149	97,360
3/31/38	18,331	7,917	18,411	2,256	21,824	1,139	1,992	15,372	39,750	70,960	91,388	1,452,250	102,661

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
4/30/38	37,703	69,098	90,505	5,670	86,643	9,851	8,463	163,636	251,729	264,708	263,357	1,514,581	111,188
5/31/38	31,732	138,003	147,907	7,620	132,970	9,725	7,878	307,438	439,803	449,876	445,718	1,413,946	120,000
6/30/38	74,131	239,449	247,574	19,020	246,848	7,026	7,166	212,264	457,814	460,989	456,442	1,470,091	120,000
7/31/38	22,833	85,379	92,037	7,144	71,251	1,349	2,849	15,372	85,114	116,601	130,719	1,454,560	120,000
8/31/38	24,962	19,481	25,553	7,985	5,534	1,034	2,973	29,307	33,200	38,489	41,295	1,401,863	117,597
9/30/38	40,680	25,146	31,144	2,462	19,691	80	2,195	14,876	36,121	77,760	99,290	1,463,776	120,000
10/31/38	25,303	25,486	31,627	1,098	26,264	505	1,586	15,372	43,634	43,855	44,101	1,508,978	120,000
11/30/38	16,049	12,548	18,078	126	17,450	311	1,302	14,876	35,921	36,146	37,075	1,528,418	120,000
12/31/38	11,783	10,284	13,523	126	15,110	341	782	15,821	33,491	38,248	42,038	1,535,097	120,000
1/31/39	1,975	8,402	11,549	126	12,701	450	993	18,480	33,467	38,334	42,148	1,528,681	120,000
2/28/39	2,903	6,993	10,747	114	10,337	513	1,299	17,493	30,244	33,176	36,019	1,520,823	118,063
3/31/39	15,583	12,834	22,389	2,193	25,433	1,470	1,733	15,372	43,327	48,991	53,295	1,589,251	120,000
4/30/39	13,892	39,659	50,044	2,903	40,146	2,898	1,996	14,876	55,911	54,812	53,239	1,670,824	120,000
5/31/39	14,448	112,335	109,586	11,922	90,817	4,070	2,145	145,241	233,540	230,440	226,346	1,625,466	120,000
6/30/39	22,054	68,738	70,630	12,578	50,792	3,316	3,258	178,017	227,527	242,159	249,020	1,449,599	120,000
7/31/39	25,852	18,797	23,541	10,078	5,270	1,617	2,617	29,145	32,997	50,525	60,477	1,367,744	116,892
8/31/39	19,151	17,380	22,110	5,273	2,554	726	2,658	31,988	33,111	36,543	37,589	1,294,705	104,550
9/30/39	8,482	23,320	27,865	2,124	13,102	883	2,272	17,529	31,240	54,881	67,131	1,286,255	105,740
10/31/39	4,535	9,838	14,107	705	6,436	369	1,531	24,638	33,266	32,951	33,011	1,266,576	104,748
11/30/39	1,490	9,521	13,845	119	11,763	186	1,189	16,944	32,229	32,317	33,377	1,263,798	101,991
12/31/39	3,275	7,711	10,240	126	10,812	240	652	20,883	34,201	33,594	34,683	1,252,059	101,810
1/31/40	1,479	7,845	10,418	126	10,745	317	872	20,440	33,427	39,812	44,433	1,242,212	100,339
2/29/40	3,454	7,452	10,849	118	10,047	545	1,376	17,995	30,450	40,292	47,677	1,239,212	97,347
3/31/40	15,658	7,686	15,089	210	14,301	1,572	1,971	16,659	33,310	33,290	34,330	1,266,185	99,304
4/30/40	9,881	28,012	37,230	912	26,230	4,940	3,928	14,876	42,523	43,853	42,439	1,301,770	106,106
5/31/40	13,988	107,969	103,054	13,900	92,942	4,030	1,850	15,372	107,889	104,696	100,263	1,354,043	115,610
6/30/40	21,331	56,947	58,430	7,189	33,462	3,882	3,278	14,876	47,119	66,212	71,802	1,313,889	116,259
7/31/40	24,673	20,923	23,667	2,376	236	2,525	2,885	33,451	32,281	58,626	72,728	1,229,842	104,567
8/31/40	17,145	14,141	18,594	1,675	260	1,035	2,879	35,848	34,628	45,948	53,260	1,152,888	91,562
9/30/40	7,271	18,907	24,885	1,694	9,702	121	2,379	20,824	31,240	70,677	90,543	1,121,666	88,051
10/31/40	6,967	17,159	22,890	1,174	17,563	366	1,573	15,372	34,621	62,888	77,354	1,142,102	95,078
11/30/40	3,214	9,521	14,524	122	13,187	345	1,359	14,876	31,327	40,789	46,643	1,145,649	95,096
12/31/40	3,276	7,719	10,748	126	11,836	551	1,054	18,129	32,281	57,808	72,222	1,143,912	95,986
1/31/41	2,336	7,574	10,820	126	11,757	562	1,291	18,434	32,281	57,145	71,211	1,141,330	96,006
2/28/41	4,230	6,996	11,659	114	12,042	805	1,844	14,897	29,157	66,030	87,242	1,168,759	96,710
3/31/41	22,861	7,686	17,687	3,541	21,987	2,047	2,686	307,438	331,688	363,913	386,433	984,543	102,308
4/30/41	46,428	19,169	32,858	6,537	31,247	6,332	8,126	297,521	331,204	375,583	393,905	940,666	112,257
5/31/41	110,681	266,961	287,564	12,739	288,758	28,066	26,744	307,438	596,635	740,805	785,537	1,322,488	120,000

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
6/30/41	114,500	279,740	304,813	29,539	321,616	35,132	35,883	222,995	543,037	592,178	587,021	1,523,846	120,000
7/31/41	60,963	156,976	173,556	12,478	165,282	14,124	19,401	103,401	266,838	299,380	303,519	1,560,245	120,000
8/31/41	33,334	39,179	48,620	5,069	32,788	690	9,718	75,496	108,366	148,719	163,360	1,511,946	120,000
9/30/41	52,464	43,697	56,390	5,444	48,495	5,495	14,398	63,243	112,798	151,091	161,883	1,517,410	120,000
10/31/41	77,848	104,355	123,350	15,951	156,189	5,847	9,059	67,688	227,759	385,674	457,003	1,701,300	120,000
11/30/41	33,218	39,471	50,867	5,399	63,003	2,304	2,905	92,486	158,820	183,564	193,926	1,701,300	120,000
12/31/41	18,730	20,219	26,021	1,927	32,856	1,399	2,036	61,879	97,164	109,923	116,079	1,683,646	120,000
1/31/42	3,301	12,991	17,616	678	21,068	1,135	2,020	15,372	38,620	47,299	51,744	1,693,385	120,000
2/28/42	3,962	8,875	13,898	623	15,290	1,268	2,343	14,233	31,831	39,744	43,564	1,701,299	120,000
3/31/42	15,438	11,835	21,540	4,488	26,663	2,461	2,828	230,579	259,714	281,632	292,161	1,535,013	120,000
4/30/42	43,915	71,998	91,921	9,697	92,344	7,563	6,427	252,893	346,889	401,658	421,763	1,643,791	120,000
5/31/42	27,265	151,714	159,721	16,651	153,361	7,821	5,167	307,438	459,958	466,242	461,960	1,510,172	120,000
6/30/42	58,444	218,809	223,903	25,600	225,619	3,488	3,116	211,240	435,485	435,151	430,788	1,508,680	120,000
7/31/42	22,111	80,160	84,751	8,308	64,079	2,964	2,979	15,372	77,819	87,610	92,009	1,472,983	120,000
8/31/42	18,686	22,760	26,502	8,307	6,665	1,272	2,815	33,888	38,822	34,981	32,837	1,400,801	120,000
9/30/42	14,979	13,578	17,858	4,613	4,056	607	2,182	27,735	31,565	32,494	33,143	1,357,373	116,133
10/31/42	17,334	9,838	14,022	911	7,099	472	1,571	24,519	33,898	33,136	32,990	1,348,836	113,743
11/30/42	13,298	9,521	13,937	123	12,358	322	1,299	16,207	32,150	32,354	33,042	1,355,518	110,683
12/31/42	11,046	7,702	10,457	126	11,556	362	812	19,130	33,265	40,366	45,214	1,355,826	110,817
1/31/43	1,772	8,055	10,996	126	11,901	423	1,058	19,036	33,237	40,090	44,857	1,348,305	109,766
2/28/43	9,517	7,145	11,134	114	11,023	697	1,639	16,337	29,788	34,529	38,767	1,352,244	108,090
3/31/43	18,201	8,109	17,267	3,493	20,921	1,910	2,447	15,372	38,841	41,747	44,424	1,394,996	111,111
4/30/43	28,944	68,547	86,790	4,864	77,759	8,308	5,590	14,876	92,374	102,888	100,875	1,516,169	120,000
5/31/43	11,116	120,840	124,574	4,259	105,338	7,478	4,890	112,562	217,277	225,368	222,578	1,465,278	120,000
6/30/43	17,958	119,329	125,691	6,899	103,226	3,132	3,130	178,017	280,059	283,073	280,097	1,295,464	120,000
7/31/43	23,739	44,370	51,399	6,679	28,757	2,328	2,936	15,372	42,694	54,084	60,145	1,243,725	120,000
8/31/43	18,323	38,500	42,888	7,781	26,735	983	2,827	15,372	41,429	44,670	46,312	1,222,952	120,000
9/30/43	12,329	17,837	22,684	4,273	8,990	662	2,236	22,128	31,240	39,753	44,406	1,185,877	120,000
10/31/43	16,157	10,866	15,781	805	8,734	394	1,577	22,622	33,270	32,979	33,165	1,180,057	120,000
11/30/43	13,000	10,358	15,620	126	14,735	481	1,445	14,876	33,047	36,829	39,702	1,190,909	120,000
12/31/43	10,309	10,610	13,968	126	15,796	502	965	15,372	33,637	39,810	44,159	1,198,772	120,000
1/31/44	1,685	8,755	12,031	126	13,420	533	1,212	17,933	33,565	36,163	38,584	1,190,721	120,000
2/29/44	2,764	7,190	11,126	118	11,056	765	1,646	16,765	30,200	40,466	48,030	1,184,601	118,656
3/31/44	14,877	7,999	16,036	4,106	20,006	1,251	1,943	15,372	37,940	42,502	47,250	1,212,116	120,000
4/30/44	31,386	32,148	45,271	8,088	44,559	5,002	5,569	14,876	61,761	66,013	70,249	1,314,040	120,000
5/31/44	36,305	213,756	224,776	12,701	217,756	12,662	9,543	184,463	401,740	419,751	415,950	1,377,162	120,000
6/30/44	77,551	267,916	274,719	30,804	285,776	8,074	6,600	178,017	462,421	471,213	469,766	1,446,238	120,000
7/31/44	25,366	110,054	113,177	10,381	97,152	2,434	2,913	15,372	110,974	149,925	167,023	1,462,073	120,000

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	Juan AFM	AFM	AFM	AFM	AFM	AF	AF
8/31/44	20,744	19,782	23,486	9,818	5,425	1,452	2,869	29,217	32,974	39,328	42,799	1,399,652	120,000
9/30/44	19,552	13,561	18,182	3,476	4,273	530	2,169	26,801	31,240	38,040	41,796	1,355,945	112,007
10/31/44	20,039	9,838	14,468	1,165	6,063	600	1,615	25,091	32,367	39,939	44,200	1,358,699	114,145
11/30/44	15,295	9,521	14,281	123	12,895	408	1,384	15,211	31,582	36,416	39,717	1,371,474	113,227
12/31/44	11,513	7,686	10,563	126	11,852	625	1,042	18,775	33,166	39,124	43,257	1,372,754	114,257
1/31/45	1,885	7,738	10,655	126	11,627	475	1,002	19,494	33,387	39,177	43,428	1,364,555	113,949
2/28/45	2,994	6,942	10,744	114	10,665	652	1,391	16,097	29,157	42,962	51,305	1,368,948	112,983
3/31/45	12,833	7,686	15,010	1,353	15,951	1,114	1,662	15,372	33,941	37,045	39,784	1,394,225	114,033
4/30/45	27,440	22,529	32,980	3,591	27,718	4,431	4,472	14,876	44,958	46,623	45,411	1,496,912	118,777
5/31/45	18,936	149,691	154,176	3,892	132,959	8,385	4,900	74,876	206,365	212,742	208,326	1,584,460	120,000
6/30/45	51,061	152,960	158,375	13,073	143,607	3,283	3,164	141,251	283,666	293,714	294,978	1,527,627	120,000
7/31/45	26,767	62,123	67,238	8,881	47,138	2,976	2,959	15,372	61,042	77,328	85,554	1,486,330	120,000
8/31/45	20,960	25,403	28,919	10,340	10,555	1,276	2,783	23,352	32,281	59,268	73,675	1,438,256	120,000
9/30/45	11,963	13,677	18,316	4,249	5,586	478	2,124	29,841	35,733	32,637	31,240	1,377,360	112,210
10/31/45	8,787	9,857	14,628	965	8,338	495	1,566	21,869	32,574	36,986	39,365	1,376,190	115,114
11/30/45	11,185	9,521	14,344	123	13,201	271	1,238	14,984	31,814	35,229	37,836	1,382,121	114,759
12/31/45	8,620	7,686	10,534	126	11,773	319	706	19,658	34,039	34,395	35,746	1,377,328	115,608
1/31/46	1,539	7,709	10,706	126	11,925	356	864	19,522	33,770	36,943	39,821	1,368,325	116,294
2/28/46	2,452	7,017	10,539	114	10,246	543	1,289	17,545	30,242	33,336	36,127	1,361,698	114,607
3/31/46	9,923	7,686	14,203	2,164	14,180	1,158	1,466	17,331	33,716	33,266	33,684	1,368,545	114,048
4/30/46	7,332	32,658	42,314	1,849	29,783	2,233	1,435	14,876	44,688	42,897	41,039	1,392,967	120,000
5/31/46	10,279	64,546	68,396	2,596	47,994	2,419	1,911	46,612	93,944	88,955	84,523	1,345,785	120,000
6/30/46	27,601	133,633	134,733	14,007	117,147	3,549	3,391	112,066	227,929	221,429	217,711	1,243,623	120,000
7/31/46	24,006	31,824	36,648	8,854	16,564	2,081	2,891	17,622	32,831	41,935	46,943	1,176,386	120,000
8/31/46	16,552	17,858	22,190	5,737	3,115	823	2,822	30,146	32,281	47,067	54,846	1,122,615	118,384
9/30/46	11,574	17,100	20,998	1,441	3,289	999	2,349	28,875	31,470	33,945	34,952	1,067,529	109,342
10/31/46	1,955	9,853	15,029	141	8,441	461	1,687	23,587	34,606	33,495	33,029	1,057,519	111,617
11/30/46	3,460	9,521	14,629	125	13,467	413	1,399	14,876	31,838	37,624	41,580	1,061,322	111,837
12/31/46	2,855	7,683	10,951	126	12,741	604	1,075	18,122	33,435	37,242	40,281	1,056,299	114,739
1/31/47	1,968	7,700	10,793	126	11,996	642	1,308	19,550	33,841	33,360	34,148	1,047,026	115,293
2/28/47	2,931	6,942	10,735	114	10,613	871	1,768	16,551	29,587	35,504	39,579	1,044,936	114,201
3/31/47	15,715	7,686	15,022	1,761	14,817	2,046	2,136	16,236	33,083	33,271	34,433	1,057,831	115,059
4/30/47	11,634	20,851	31,548	2,344	20,596	4,016	3,686	14,876	35,830	37,140	35,791	1,062,632	120,000
5/31/47	8,951	159,014	167,358	2,271	146,054	9,768	7,577	15,372	160,221	167,562	163,255	1,142,413	120,000
6/30/47	18,001	160,019	172,339	4,715	152,361	3,978	4,933	14,876	166,093	165,135	159,977	1,159,758	120,000
7/31/47	26,169	77,418	88,038	6,215	65,728	1,376	3,236	15,372	79,610	80,593	80,993	1,104,793	120,000
8/31/47	12,270	47,356	54,620	2,212	35,132	2,937	7,343	15,372	50,544	147,497	194,694	1,111,777	120,000
9/30/47	16,160	34,412	41,845	3,772	27,136	99	2,385	14,876	41,644	54,283	60,858	1,111,550	120,000

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF	AF
10/31/47	28,043	37,449	45,852	3,046	46,248	1,131	2,744	15,372	64,439	109,625	132,573	1,166,083	120,000
11/30/47	17,269	16,422	23,102	2,157	25,513	674	1,654	14,876	44,057	46,240	48,261	1,187,325	120,000
12/31/47	12,633	13,290	17,500	1,060	21,129	691	1,295	15,372	39,169	47,631	53,050	1,195,513	120,000
1/31/48	2,305	10,799	14,856	414	17,277	783	1,573	15,372	35,020	36,047	37,623	1,194,456	120,000
2/29/48	3,523	7,761	12,529	500	13,478	794	1,744	14,380	30,396	45,290	56,409	1,201,983	120,000
3/31/48	14,885	11,721	21,552	4,929	27,006	1,320	2,016	15,372	44,972	45,036	59,503	1,224,079	120,000
4/30/48	32,836	72,183	93,614	9,714	90,916	6,502	5,466	20,826	111,941	121,508	119,833	1,378,792	120,000
5/31/48	28,342	214,644	221,249	25,538	223,671	8,126	5,085	200,331	422,206	429,104	424,949	1,386,601	120,000
6/30/48	82,604	210,323	215,188	26,359	220,824	4,881	5,021	211,240	431,019	450,512	456,241	1,408,114	120,000
7/31/48	24,766	75,016	79,525	10,055	60,988	2,682	2,936	15,372	75,173	90,334	97,250	1,367,407	120,000
8/31/48	18,269	23,462	27,073	7,906	10,030	1,448	2,835	23,410	32,281	45,106	51,896	1,322,908	120,000
9/30/48	13,074	14,192	19,069	4,767	5,433	409	2,108	26,490	31,609	35,994	38,563	1,271,910	111,728
10/31/48	17,981	9,838	14,432	522	9,233	249	1,517	20,286	32,281	49,893	59,476	1,278,124	112,142
11/30/48	12,621	9,541	14,094	122	12,513	241	1,266	15,129	31,240	41,943	48,610	1,285,312	110,031
12/31/48	9,673	7,729	10,486	126	11,463	486	943	19,340	33,365	38,781	42,787	1,284,771	110,183
1/31/49	1,917	7,741	10,690	126	11,541	440	1,042	18,453	32,281	51,068	62,153	1,281,858	109,652
2/28/49	2,397	7,077	10,921	114	10,584	614	1,514	16,158	29,157	52,224	65,513	1,281,998	107,613
3/31/49	15,737	7,686	16,131	3,515	19,048	1,477	2,142	15,372	36,897	61,957	76,606	1,331,119	109,109
4/30/49	35,684	52,839	71,736	6,909	66,331	7,537	6,947	133,884	201,094	211,048	210,841	1,380,152	115,686
5/31/49	42,045	168,317	180,412	11,638	171,931	11,830	11,420	251,405	423,301	439,371	435,802	1,346,402	120,000
6/30/49	83,481	284,952	293,395	28,929	309,796	19,996	19,457	211,378	519,889	544,751	540,353	1,437,861	120,000
7/31/49	37,603	119,637	123,398	9,660	107,476	4,090	5,318	15,372	121,634	145,068	151,574	1,494,094	120,000
8/31/49	23,427	21,842	25,972	9,247	9,936	240	2,927	25,158	33,505	39,883	43,232	1,448,249	120,000
9/30/49	22,188	14,928	19,860	3,865	3,646	712	2,275	28,855	31,839	33,414	34,364	1,403,594	112,140
10/31/49	17,421	9,838	14,664	1,067	8,414	286	1,563	21,980	32,812	34,451	35,295	1,403,636	113,225
11/30/49	13,053	9,521	14,574	123	12,979	597	1,476	15,658	31,965	32,357	33,053	1,413,745	113,130
12/31/49	10,071	7,686	10,889	126	12,355	524	917	18,766	33,701	35,504	37,501	1,412,688	115,101
1/31/50	1,963	7,686	11,038	126	12,441	440	1,020	18,840	33,581	37,255	40,301	1,406,504	116,497
2/28/50	3,110	6,942	11,000	114	11,049	669	1,458	16,422	29,900	34,807	38,599	1,409,094	116,283
3/31/50	14,322	7,686	15,640	1,960	16,574	1,256	1,682	15,372	34,168	33,859	35,231	1,426,589	118,744
4/30/50	19,763	50,421	62,054	2,499	50,188	5,519	3,658	14,876	65,212	68,031	66,053	1,493,149	120,000
5/31/50	13,437	81,027	82,344	7,089	63,927	3,366	1,918	46,612	108,959	103,154	98,133	1,474,660	120,000
6/30/50	22,690	100,443	101,023	13,177	82,601	3,651	3,223	112,066	193,436	191,968	187,635	1,359,202	120,000
7/31/50	23,502	31,718	34,810	9,645	14,900	2,955	2,858	20,141	33,500	46,132	53,273	1,291,450	120,000
8/31/50	21,465	16,558	21,199	7,335	3,851	762	2,591	31,318	33,711	37,753	39,247	1,205,122	107,226
9/30/50	6,179	13,391	17,922	927	2,815	372	2,095	27,896	31,240	37,329	40,668	1,155,420	98,572
10/31/50	7,688	10,579	13,890	951	3,164	465	1,552	29,453	33,247	33,407	33,533	1,130,187	94,130
11/30/50	1,403	9,639	13,688	123	10,876	194	1,120	18,068	32,330	32,456	33,144	1,118,270	89,706

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content	Ridges Basin Reservoir Content
12/31/50	1,712	7,755	10,167	126	11,052	279	652	20,015	33,710	37,679	40,986	1,104,929	89,850
1/31/51	1,426	7,919	10,187	126	10,622	265	730	20,805	33,778	38,033	41,578	1,090,819	88,221
2/28/51	2,055	6,614	9,393	114	8,457	379	1,108	19,298	30,234	34,946	38,750	1,079,164	85,026
3/31/51	11,583	7,779	12,707	412	10,986	855	1,350	20,458	33,875	33,291	35,027	1,081,364	82,045
4/30/51	9,991	12,917	18,439	762	7,431	2,431	2,374	25,471	33,794	32,920	31,640	1,069,808	80,738
5/31/51	12,409	61,631	63,244	6,651	44,362	3,928	1,997	15,372	58,071	54,331	50,102	1,084,686	88,380
6/30/51	20,859	91,613	92,475	8,808	70,046	3,586	3,195	14,876	83,882	94,347	97,195	1,073,256	89,265
7/31/51	25,244	29,463	31,440	1,045	2,270	3,392	3,050	32,724	33,648	58,139	72,166	968,265	82,466
8/31/51	13,295	21,184	23,908	1,992	1,065	1,404	2,796	31,545	32,472	45,838	52,090	899,428	72,811
9/30/51	4,716	12,751	16,543	243	211	612	2,178	31,312	31,240	53,255	64,342	830,246	62,056
10/31/51	3,887	9,838	13,800	643	7,166	413	1,554	22,924	32,281	38,051	41,234	804,886	57,433
11/30/51	1,988	9,780	13,924	123	12,105	321	1,309	15,784	31,432	38,952	43,743	798,449	52,282
12/31/51	2,367	7,895	10,594	126	11,555	450	926	19,853	33,931	34,111	35,290	796,248	51,511
1/31/52	2,093	7,788	10,966	126	12,144	565	1,261	17,882	32,281	59,676	75,027	805,101	51,505
2/29/52	2,775	7,190	11,462	118	11,735	894	1,884	16,642	30,799	33,615	36,128	803,636	51,038
3/31/52	13,609	7,686	15,375	2,388	17,138	1,826	2,550	15,372	35,030	36,226	38,753	848,140	50,484
4/30/52	41,031	62,637	85,125	6,361	82,736	12,614	10,237	14,876	99,274	122,008	120,968	1,104,945	60,334
5/31/52	28,769	195,919	208,298	7,361	193,291	15,705	10,253	74,876	266,872	291,752	287,558	1,279,042	69,923
6/30/52	90,223	296,962	303,662	24,197	311,679	15,659	11,791	140,331	450,746	462,713	457,929	1,445,774	70,849
7/31/52	28,545	90,913	96,362	7,957	77,671	2,721	2,862	15,372	91,577	109,916	115,691	1,431,554	77,055
8/31/52	23,493	22,541	26,513	8,093	6,366	1,741	2,942	30,198	34,880	35,951	36,308	1,385,216	81,886
9/30/52	23,024	14,914	19,492	4,439	5,373	632	2,215	25,857	31,240	38,387	42,385	1,353,833	80,191
10/31/52	16,483	9,838	13,892	1,866	5,460	453	1,571	26,301	32,873	33,870	34,515	1,334,492	79,646
11/30/52	12,473	9,542	13,896	123	12,029	308	1,314	16,051	31,654	36,180	39,379	1,338,052	76,269
12/31/52	11,488	7,712	10,447	126	11,396	541	998	19,274	33,244	38,658	42,560	1,341,298	76,548
1/31/53	1,891	7,735	10,662	126	11,606	572	1,193	19,203	33,104	39,811	44,373	1,336,605	76,648
2/28/53	3,251	6,967	10,603	114	10,292	697	1,516	17,469	30,185	31,984	34,184	1,331,198	75,379
3/31/53	13,460	7,686	14,905	1,476	15,230	1,400	1,817	15,920	33,453	33,278	34,337	1,350,517	77,400
4/30/53	21,235	21,996	30,354	3,152	22,713	4,947	4,241	14,876	39,465	43,110	42,002	1,394,049	83,379
5/31/53	10,591	57,827	60,901	4,282	41,696	4,554	2,950	15,372	56,502	54,927	50,915	1,402,923	92,922
6/30/53	23,972	130,042	128,564	16,027	113,045	3,893	3,310	14,876	126,652	135,533	136,080	1,414,818	93,797
7/31/53	20,265	25,699	29,832	8,378	7,943	2,682	2,995	25,868	32,281	57,002	70,216	1,328,602	94,451
8/31/53	18,742	19,202	23,519	8,000	6,310	1,455	2,894	27,429	32,281	57,577	70,473	1,262,556	86,533
9/30/53	15,777	12,521	15,917	1,884	211	536	2,174	32,677	31,836	34,456	35,501	1,194,076	75,491
10/31/53	2,159	9,936	14,348	123	7,889	268	1,579	21,005	32,281	42,659	48,160	1,175,443	71,012
11/30/53	2,168	9,521	13,939	123	12,200	490	1,434	15,520	31,240	39,669	44,697	1,177,958	69,929
12/31/53	1,733	7,717	10,074	126	10,956	565	1,035	19,834	33,413	37,031	40,092	1,169,414	69,484
1/31/54	1,359	7,359	9,654	126	10,075	494	1,124	21,015	33,425	37,766	41,178	1,158,051	67,786

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content	Ridges Basin Reservoir Content
2/28/54	2,896	7,013	10,064	114	9,369	686	1,476	18,561	30,393	30,637	33,694	1,155,953	64,527
3/31/54	10,532	7,922	13,475	135	11,695	1,244	1,633	19,423	33,617	33,298	35,104	1,166,888	61,494
4/30/54	10,770	27,844	37,195	2,384	24,292	2,906	1,784	14,876	38,825	38,058	36,058	1,207,190	69,472
5/31/54	12,869	82,241	82,371	8,028	64,478	3,417	2,006	15,372	78,247	73,111	68,517	1,260,791	79,042
6/30/54	20,930	60,611	65,697	8,561	42,596	2,418	3,280	14,876	56,313	67,167	70,800	1,227,683	79,946
7/31/54	21,014	34,894	38,360	3,021	14,554	1,004	2,720	19,106	32,281	65,922	83,622	1,195,708	83,796
8/31/54	18,326	21,807	25,448	2,165	2,082	720	2,907	31,597	32,281	43,983	49,081	1,146,102	72,991
9/30/54	9,827	15,632	20,743	1,705	4,581	654	2,344	26,506	31,240	52,426	63,199	1,119,041	69,272
10/31/54	8,449	15,946	21,309	1,563	15,069	520	1,605	15,708	32,281	64,717	81,511	1,100,914	76,113
11/30/54	1,769	9,521	14,388	143	12,276	314	1,223	16,281	31,889	35,604	38,115	1,087,470	75,448
12/31/54	1,664	7,686	10,793	126	12,380	376	791	18,961	33,934	34,778	36,546	1,078,864	77,992
1/31/55	1,308	7,825	10,757	126	11,853	448	961	19,842	34,006	34,309	35,675	1,068,634	78,456
2/28/55	1,984	7,022	10,459	114	10,042	501	1,225	17,805	30,286	33,636	36,733	1,060,761	76,658
3/31/55	14,870	7,686	14,284	1,102	14,344	1,017	1,458	15,817	32,622	39,829	44,885	1,074,319	77,301
4/30/55	10,747	17,389	25,032	420	14,721	3,095	2,841	17,621	34,194	32,961	31,646	1,081,999	81,114
5/31/55	6,397	77,555	79,618	2,867	59,696	4,165	2,819	15,372	74,924	71,713	67,777	1,115,318	90,661
6/30/55	22,255	111,296	111,805	13,751	95,324	2,861	3,242	14,876	108,997	107,326	102,176	1,129,378	91,541
7/31/55	18,670	24,224	28,805	6,793	6,624	1,830	2,943	27,120	32,281	50,838	60,097	1,045,901	92,153
8/31/55	18,540	24,265	27,071	2,873	3,478	401	2,803	30,219	32,281	71,529	91,398	1,019,800	85,800
9/30/55	13,514	15,521	18,751	1,539	1,854	653	2,177	34,451	35,116	32,940	31,240	960,879	75,120
10/31/55	7,563	9,838	13,379	764	3,266	344	1,526	31,546	36,127	33,990	32,935	925,043	70,603
11/30/55	1,631	9,611	13,874	123	11,321	194	1,194	17,282	32,204	32,331	33,380	915,828	66,241
12/31/55	2,079	7,686	10,510	126	11,301	439	914	19,757	33,719	35,296	37,399	908,611	66,806
1/31/56	2,018	7,686	10,701	126	11,500	588	1,242	19,441	33,306	37,622	40,953	902,900	67,019
2/29/56	2,888	7,190	10,992	118	10,578	915	1,849	17,807	30,916	32,369	33,967	897,679	65,709
3/31/56	14,853	8,500	16,793	444	16,613	3,454	2,759	15,372	34,328	35,489	36,300	926,653	69,599
4/30/56	14,209	19,252	27,721	1,030	15,638	3,975	2,859	14,876	31,754	35,607	33,889	961,438	78,387
5/31/56	14,439	102,728	100,094	12,645	85,237	4,740	2,044	15,372	98,846	95,088	90,042	1,019,390	87,940
6/30/56	24,968	94,487	91,808	9,264	67,579	4,594	3,403	14,876	81,292	102,756	110,359	1,021,142	88,825
7/31/56	25,097	23,810	25,476	1,381	758	1,820	2,546	33,597	32,976	53,579	65,008	937,370	78,109
8/31/56	16,630	16,116	18,794	1,761	260	873	2,525	36,042	35,016	49,630	57,954	850,579	65,185
9/30/56	1,575	9,419	12,591	182	211	295	2,015	35,020	34,256	36,878	39,133	772,858	54,101
10/31/56	2,662	9,682	13,766	216	4,491	249	1,485	30,169	36,273	33,920	32,951	740,562	47,038
11/30/56	1,717	9,559	13,707	122	11,847	131	1,136	16,946	32,286	33,744	35,549	731,759	42,761
12/31/56	1,536	7,854	10,365	126	11,082	208	606	20,644	34,212	34,964	36,762	717,569	41,512
1/31/57	1,519	7,698	10,634	126	11,553	328	858	19,925	33,702	38,496	42,319	709,222	41,145
2/28/57	2,668	6,942	10,856	114	10,842	549	1,380	16,257	29,452	40,085	46,941	720,437	40,474
3/31/57	14,909	7,686	14,953	839	14,855	1,379	1,992	15,929	33,269	33,305	34,367	749,088	40,872

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	Juan AFM	AFM	AFM	AFM	AFM	AF	AF
4/30/57	24,430	25,329	37,141	2,595	30,269	6,738	6,970	14,876	47,165	52,980	52,401	838,910	47,005
5/31/57	29,255	79,656	92,994	4,888	78,286	15,162	15,657	112,562	191,605	215,358	211,397	899,573	56,624
6/30/57	115,701	306,877	332,889	13,672	335,023	30,451	30,926	183,868	517,514	561,274	556,066	1,168,520	57,584
7/31/57	70,123	173,454	188,984	17,677	190,971	17,085	21,463	19,497	208,950	235,020	232,010	1,343,871	63,825
8/31/57	56,478	62,013	68,141	7,924	53,165	3,398	8,076	15,372	68,059	148,220	184,996	1,427,491	69,439
9/30/57	31,867	25,445	31,294	4,230	16,056	399	2,406	15,930	31,240	63,640	78,442	1,427,637	72,148
10/31/57	28,578	10,017	16,651	133	12,852	654	2,427	15,950	32,281	63,625	79,670	1,469,160	77,093
11/30/57	24,862	11,394	19,269	2,055	22,925	746	1,788	14,876	41,293	62,298	74,036	1,516,364	86,469
12/31/57	15,897	7,686	12,815	1,503	18,111	834	1,514	15,372	35,981	43,170	48,099	1,539,470	95,548
1/31/58	2,455	7,686	12,353	696	15,918	770	1,654	15,372	33,525	35,210	37,913	1,541,130	100,989
2/28/58	4,422	6,942	12,002	640	13,498	1,001	2,055	13,884	29,746	55,431	74,767	1,573,818	103,064
3/31/58	17,487	7,686	17,451	4,931	23,169	1,922	2,518	15,372	41,121	69,832	93,183	1,632,600	107,421
4/30/58	29,305	52,157	70,945	10,287	70,855	8,519	7,334	223,141	295,408	331,186	340,043	1,643,031	114,355
5/31/58	17,472	258,985	259,367	29,984	266,489	10,918	5,492	307,438	571,734	585,782	581,196	1,633,806	120,000
6/30/58	38,688	203,704	201,020	21,635	195,792	4,633	3,249	216,880	411,198	441,638	453,429	1,592,108	120,000
7/31/58	25,904	36,751	41,152	9,333	20,703	2,476	2,976	15,372	34,549	60,061	73,444	1,531,254	120,000
8/31/58	19,275	18,968	23,668	7,896	4,177	978	2,929	30,551	33,175	41,387	45,006	1,460,921	111,581
9/30/58	10,657	16,252	21,518	3,056	7,256	541	2,259	24,109	31,240	36,844	39,777	1,427,463	108,237
10/31/58	7,116	9,838	14,592	985	7,318	487	1,583	23,741	33,277	34,494	35,448	1,411,567	109,504
11/30/58	12,968	9,521	14,542	123	12,813	319	1,260	15,620	31,903	34,478	36,755	1,420,174	109,352
12/31/58	10,106	7,686	10,916	126	12,497	374	781	18,922	33,950	34,575	36,113	1,419,951	112,436
1/31/59	1,381	7,686	10,701	126	11,783	343	823	20,078	34,124	34,371	35,920	1,407,514	113,440
2/28/59	2,669	6,942	10,473	114	10,156	453	1,122	18,248	30,795	30,147	31,294	1,400,874	112,757
3/31/59	12,128	7,686	13,844	1,854	13,942	842	1,205	17,827	34,038	33,287	34,297	1,402,990	113,118
4/30/59	10,505	13,526	19,634	1,036	9,313	2,533	2,166	23,827	34,344	33,098	31,671	1,395,263	116,605
5/31/59	15,317	62,583	63,298	8,463	45,720	3,968	1,971	15,372	59,231	55,985	51,790	1,391,881	120,000
6/30/59	24,369	84,599	84,271	14,662	65,801	4,367	3,411	14,876	79,319	92,022	98,397	1,381,459	120,000
7/31/59	26,304	21,336	24,137	906	236	2,968	2,934	36,429	35,159	58,644	73,053	1,285,446	109,150
8/31/59	11,003	22,530	26,070	709	1,649	1,375	2,859	30,673	32,281	54,449	65,195	1,223,679	98,847
9/30/59	4,500	12,548	16,818	271	471	696	2,267	32,480	32,668	32,043	31,240	1,155,366	88,111
10/31/59	3,344	9,838	15,314	129	9,903	554	2,134	19,520	32,281	37,062	39,364	1,170,873	92,136
11/30/59	6,271	9,521	14,853	126	13,837	707	1,666	14,876	32,271	44,036	50,963	1,186,346	94,037
12/31/59	2,772	7,714	10,854	126	12,123	725	1,310	18,320	33,039	37,847	41,272	1,184,761	95,570
1/31/60	2,116	7,780	11,015	126	11,966	737	1,569	18,890	33,170	36,198	38,726	1,177,733	95,426
2/29/60	3,851	7,190	11,630	118	11,663	845	1,989	16,325	30,469	35,088	40,036	1,173,980	94,673
3/31/60	28,376	11,958	23,593	1,356	25,811	3,237	3,241	15,372	43,276	66,990	81,681	1,323,212	99,558
4/30/60	35,454	65,227	82,907	1,693	72,173	8,114	6,113	14,876	87,168	102,280	100,598	1,485,326	110,279
5/31/60	13,823	106,864	110,338	4,354	90,291	4,706	2,791	74,876	164,007	164,372	160,419	1,508,000	119,777

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
6/30/60	31,761	162,319	161,440	15,186	147,173	4,392	3,310	140,331	286,226	287,284	283,728	1,485,158	120,000
7/31/60	25,822	41,118	44,527	10,255	24,483	2,906	2,940	15,372	38,455	63,254	77,202	1,436,878	120,000
8/31/60	24,597	17,993	21,369	6,308	1,366	952	2,665	34,355	34,189	43,188	47,555	1,356,235	108,363
9/30/60	13,982	16,016	19,828	1,550	1,627	444	2,139	31,705	32,054	34,091	34,790	1,296,704	97,548
10/31/60	765	9,838	14,835	123	9,722	355	1,792	19,386	32,281	38,806	42,374	1,287,504	98,568
11/30/60	1,478	9,521	14,397	123	12,724	508	1,426	16,022	31,985	32,877	34,355	1,285,510	97,647
12/31/60	7,675	7,686	10,827	126	12,384	466	945	18,727	33,577	36,525	39,322	1,284,767	100,108
1/31/61	1,444	7,715	10,730	126	11,861	492	1,147	19,223	33,294	38,748	42,750	1,274,541	100,770
2/28/61	2,576	7,058	10,549	114	10,024	634	1,546	17,462	29,824	34,876	40,518	1,270,070	98,385
3/31/61	11,107	7,739	14,991	625	14,879	1,754	2,145	15,686	33,006	33,307	38,719	1,295,047	99,075
4/30/61	13,113	27,068	38,285	872	27,629	5,992	4,787	14,876	43,576	49,739	48,235	1,369,029	108,292
5/31/61	15,250	130,889	130,713	9,854	114,309	4,801	2,014	15,372	127,721	127,300	122,725	1,477,443	117,793
6/30/61	21,529	109,577	111,440	12,840	92,616	3,445	3,370	17,162	108,435	120,183	123,025	1,478,879	118,620
7/31/61	24,407	22,926	29,097	6,618	6,720	1,553	2,895	28,213	33,327	48,647	57,393	1,396,438	114,900
8/31/61	17,582	22,832	27,830	2,401	7,407	93	3,079	25,331	32,281	50,774	60,408	1,371,352	109,154
9/30/61	6,878	17,902	23,846	1,888	9,897	124	2,503	20,657	31,240	37,372	40,006	1,348,954	114,346
10/31/61	5,519	16,835	23,549	216	18,695	706	2,200	15,372	36,572	37,121	36,862	1,361,295	120,000
11/30/61	18,301	15,087	21,353	190	21,544	567	1,611	14,876	39,984	43,996	46,946	1,385,940	120,000
12/31/61	13,222	11,665	15,461	126	17,656	695	1,290	15,372	35,598	35,909	38,152	1,391,801	120,000
1/31/62	2,920	8,893	12,596	126	14,143	723	1,501	17,137	33,573	33,367	34,434	1,385,797	120,000
2/28/62	4,630	10,513	15,901	114	17,323	992	1,896	13,884	33,628	49,939	60,153	1,408,367	120,000
3/31/62	15,221	11,489	20,927	1,186	22,459	1,444	1,982	15,372	40,216	40,229	44,661	1,434,406	120,000
4/30/62	30,708	78,151	97,348	2,071	87,247	4,963	3,301	20,826	107,983	112,721	110,887	1,582,458	120,000
5/31/62	13,138	134,614	138,941	3,677	118,436	3,392	1,908	200,331	317,420	313,641	309,284	1,489,071	120,000
6/30/62	28,019	146,803	151,774	9,557	132,111	3,754	3,323	211,240	342,120	340,120	335,100	1,342,913	120,000
7/31/62	27,424	66,964	70,963	10,513	52,094	3,275	2,965	15,372	66,021	71,957	75,575	1,316,983	120,000
8/31/62	23,914	18,650	23,238	10,371	5,771	798	2,621	30,517	34,731	35,609	35,831	1,236,103	115,236
9/30/62	10,173	14,017	19,637	3,024	5,046	416	2,141	26,305	31,425	34,768	36,653	1,186,586	108,191
10/31/62	4,045	9,850	15,288	133	10,564	494	1,901	20,004	32,281	73,677	95,196	1,193,478	111,692
11/30/62	13,879	9,521	14,862	129	13,630	461	1,426	15,877	31,604	35,973	38,779	1,208,417	113,262
12/31/62	10,750	7,686	10,979	126	12,690	550	1,058	19,350	33,618	35,085	36,904	1,211,725	115,987
1/31/63	1,599	7,717	10,898	126	12,051	535	1,225	20,248	33,799	33,772	34,970	1,202,219	116,386
2/28/63	4,854	6,942	11,120	114	11,315	876	1,819	16,387	29,330	36,592	41,548	1,217,086	116,525
3/31/63	14,659	10,516	19,506	545	20,287	2,574	2,457	15,372	37,311	37,815	39,022	1,262,911	120,000
4/30/63	8,670	34,548	43,562	978	31,890	4,237	2,968	14,876	47,634	51,469	49,838	1,323,045	120,000
5/31/63	15,844	107,650	103,632	14,206	89,614	4,090	2,076	15,372	104,406	100,987	96,476	1,380,867	120,000
6/30/63	22,190	43,769	47,637	10,635	26,813	3,134	3,260	14,876	41,705	49,303	51,671	1,332,310	120,000
7/31/63	24,352	24,072	27,813	2,399	1,974	2,400	3,009	32,368	33,856	44,835	51,255	1,234,060	110,942

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF	AF
8/31/63	13,161	23,326	27,605	2,451	5,292	623	2,934	26,392	32,281	45,456	51,509	1,175,496	104,360
9/30/63	6,451	17,751	20,838	2,300	3,588	1,168	2,403	27,394	31,240	56,683	69,404	1,144,623	105,177
10/31/63	5,363	9,838	13,930	1,119	5,606	343	1,527	26,578	33,456	35,836	37,314	1,120,689	104,862
11/30/63	1,801	9,521	13,791	131	11,401	221	1,130	18,494	31,958	36,049	38,828	1,107,763	102,055
12/31/63	1,348	7,681	10,169	126	11,038	252	582	21,071	33,643	38,902	42,982	1,087,399	102,267
1/31/64	1,210	7,800	10,212	123	10,723	231	636	21,314	33,501	41,193	46,542	1,068,669	101,063
2/29/64	1,873	7,405	10,399	118	9,660	336	984	20,331	31,624	33,832	36,238	1,053,428	97,989
3/31/64	4,063	8,039	12,996	129	11,449	655	1,209	20,231	33,493	34,356	35,994	1,047,236	94,398
4/30/64	4,732	13,310	19,730	284	11,119	2,355	2,601	20,996	33,525	32,664	31,825	1,062,740	95,069
5/31/64	14,206	104,142	102,146	11,138	86,693	4,021	2,001	15,372	101,729	98,513	94,672	1,134,238	103,240
6/30/64	22,476	72,096	74,323	8,627	51,123	2,664	3,307	14,876	65,952	61,171	56,072	1,102,080	104,095
7/31/64	24,999	26,417	29,203	1,018	1,424	1,882	3,065	32,250	33,444	48,537	56,776	1,017,105	95,983
8/31/64	13,466	23,192	26,621	2,553	4,663	437	2,838	27,067	32,281	74,075	95,324	986,272	90,912
9/30/64	9,352	13,481	17,406	1,105	2,334	643	2,168	28,008	31,240	44,867	51,587	946,430	83,600
10/31/64	7,093	9,919	13,504	648	3,659	334	1,510	28,576	33,217	36,046	37,747	917,664	79,168
11/30/64	2,118	9,591	13,919	122	11,866	122	1,117	18,060	32,077	35,905	38,929	908,159	75,061
12/31/64	2,113	7,718	10,593	126	11,659	198	659	20,289	33,490	40,551	45,548	898,842	75,611
1/31/65	2,009	7,701	10,802	126	11,842	335	1,027	19,810	33,121	41,927	48,047	897,213	75,805
2/28/65	3,792	6,993	10,885	114	10,619	851	1,936	17,362	29,579	34,411	41,645	899,251	74,214
3/31/65	10,965	7,686	15,660	791	15,896	1,994	2,693	15,372	33,030	33,724	43,956	922,657	74,828
4/30/65	31,608	50,225	68,345	3,012	61,826	8,055	8,277	14,876	78,121	89,144	89,946	1,113,633	80,399
5/31/65	28,494	137,861	152,024	3,635	134,777	14,730	14,654	74,876	210,207	233,008	228,957	1,236,717	89,948
6/30/65	88,086	226,321	249,020	14,003	246,809	23,030	24,344	148,203	395,513	426,739	422,436	1,368,439	90,829
7/31/65	50,633	153,945	169,846	13,019	165,125	13,902	17,448	18,564	183,936	197,960	193,709	1,476,715	96,988
8/31/65	28,833	49,782	57,584	5,206	38,132	404	5,898	15,372	53,396	66,804	69,448	1,461,222	102,541
9/30/65	43,764	35,727	43,969	4,959	34,007	219	3,456	14,876	50,017	54,959	55,654	1,486,796	109,228
10/31/65	28,932	23,690	32,046	3,589	32,079	268	1,825	15,372	49,099	51,946	53,388	1,516,415	118,996
11/30/65	20,622	15,747	22,820	2,236	25,167	899	1,809	14,876	42,196	53,037	59,328	1,536,312	120,000
12/31/65	16,322	15,527	20,421	1,354	25,131	1,061	1,629	15,372	42,061	59,329	69,019	1,558,828	120,000
1/31/66	3,480	12,940	17,628	683	21,101	867	1,737	15,372	37,956	39,796	41,190	1,559,861	120,000
2/28/66	4,227	9,526	14,779	712	16,482	1,059	2,138	13,884	31,978	40,801	45,976	1,561,462	120,000
3/31/66	21,167	20,211	32,437	3,401	37,284	2,852	2,730	15,372	54,187	83,192	97,864	1,693,127	120,000
4/30/66	22,229	45,925	58,650	5,071	50,601	5,257	3,812	125,056	176,626	188,176	188,189	1,701,300	120,000
5/31/66	14,963	141,992	140,571	15,357	129,195	4,631	2,019	200,331	329,127	326,958	322,479	1,664,035	120,000
6/30/66	23,835	95,927	98,323	12,224	78,945	3,723	3,273	211,240	290,489	306,390	310,732	1,491,590	120,000
7/31/66	25,709	34,157	37,995	10,994	18,564	2,898	2,909	15,749	33,759	48,223	56,642	1,435,748	120,000
8/31/66	17,939	19,378	23,486	7,380	4,782	874	2,644	27,713	32,449	47,217	54,237	1,371,404	113,174
9/30/66	13,904	13,467	17,657	5,322	5,593	507	2,118	25,012	31,240	43,557	50,158	1,322,348	104,595

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State Line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF	Ridges Basin Reservoir Content AF
10/31/66	6,483	9,838	13,797	1,499	5,961	267	1,503	28,324	35,490	33,707	32,984	1,290,551	101,214
11/30/66	5,297	9,539	13,921	123	11,263	138	1,117	18,706	32,039	35,520	39,429	1,281,581	97,768
12/31/66	14,126	7,649	10,568	126	12,121	269	788	18,587	32,281	48,925	61,102	1,300,522	99,833
1/31/67	1,902	7,437	10,109	126	10,913	329	986	21,692	34,100	33,361	62,441	1,285,840	99,298
2/28/67	2,995	6,967	10,435	114	10,148	787	1,701	18,463	30,234	30,153	37,788	1,283,645	97,643
3/31/67	12,382	7,686	14,650	172	11,870	1,987	1,908	20,244	33,383	33,271	36,303	1,310,212	99,900
4/30/67	10,159	13,609	20,224	886	8,748	2,615	2,529	24,798	34,197	32,982	31,578	1,303,914	103,056
5/31/67	11,515	84,532	84,708	8,197	68,517	3,308	1,949	15,372	84,037	79,738	75,577	1,329,312	110,281
6/30/67	18,044	70,213	74,208	7,774	53,437	1,657	3,013	14,876	68,835	71,552	69,052	1,333,856	111,121
7/31/67	23,954	27,257	30,460	6,210	7,272	1,164	2,836	26,945	34,052	42,344	46,930	1,262,021	112,592
8/31/67	14,589	24,786	28,438	2,737	6,521	665	2,911	25,589	32,281	83,233	109,438	1,242,973	107,024
9/30/67	27,159	16,540	19,707	1,536	2,560	942	2,345	28,027	31,240	51,711	62,048	1,230,366	100,501
10/31/67	14,552	9,864	13,378	797	4,404	449	1,557	27,533	33,110	33,028	33,098	1,211,365	96,350
11/30/67	11,481	9,737	13,859	123	11,295	171	1,154	18,815	32,182	33,779	35,264	1,207,406	91,253
12/31/67	9,816	7,683	10,369	126	11,291	278	782	21,089	33,931	35,134	37,059	1,199,454	91,153
1/31/68	1,968	7,740	10,653	126	11,497	466	1,169	20,867	33,842	34,169	36,830	1,186,744	90,567
2/29/68	2,920	7,190	11,095	118	10,958	838	1,821	17,646	30,249	38,550	46,546	1,182,788	89,233
3/31/68	12,460	8,212	16,918	1,249	18,338	2,547	2,679	15,372	35,406	36,150	38,191	1,198,631	93,365
4/30/68	17,572	16,825	26,940	1,902	19,287	5,757	5,426	14,876	35,751	42,099	41,126	1,231,570	102,592
5/31/68	13,968	118,290	124,828	2,718	104,292	10,843	7,943	46,612	151,012	163,372	159,363	1,271,854	112,102
6/30/68	30,910	214,877	216,442	13,674	204,731	9,260	6,361	112,066	316,643	318,428	313,297	1,308,789	112,939
7/31/68	20,411	43,252	49,087	6,520	27,321	1,895	2,782	15,372	42,338	53,213	55,806	1,265,557	119,052
8/31/68	38,133	35,271	37,795	8,426	21,043	1,374	2,869	15,372	36,235	109,399	147,127	1,325,849	120,000
9/30/68	21,020	13,126	17,343	5,464	5,445	590	2,161	31,184	36,832	33,121	31,240	1,275,192	111,978
10/31/68	16,418	9,838	13,977	1,021	6,515	296	1,521	24,516	32,329	40,675	45,415	1,260,745	109,019
11/30/68	12,988	9,521	13,982	122	12,365	223	1,242	17,136	31,694	37,717	41,843	1,262,738	105,813
12/31/68	9,949	7,686	10,602	126	11,907	337	813	20,404	33,851	35,979	38,444	1,254,555	106,724
1/31/69	1,631	7,740	10,794	126	11,913	433	1,079	18,900	32,281	49,481	59,844	1,254,833	106,751
2/28/69	2,697	6,968	10,819	114	10,646	696	1,595	17,952	30,196	31,903	36,076	1,250,764	105,098
3/31/69	11,306	7,745	15,772	1,150	16,626	1,349	2,050	15,372	33,759	45,598	56,726	1,281,115	105,978
4/30/69	23,778	48,843	66,382	2,019	55,944	7,872	6,194	14,876	71,448	85,405	86,520	1,421,882	116,691
5/31/69	12,915	170,648	175,450	3,898	156,265	9,184	5,891	74,876	231,077	240,741	236,753	1,510,015	120,000
6/30/69	50,045	125,295	136,089	7,857	118,905	7,539	8,814	148,239	267,287	270,808	265,957	1,477,755	120,000
7/31/69	28,350	89,537	97,114	6,331	76,484	1,838	3,698	21,186	96,913	114,110	119,050	1,479,694	120,000
8/31/69	25,690	21,651	27,889	7,889	8,789	246	3,511	23,905	32,954	46,584	52,827	1,454,707	120,000
9/30/69	39,421	22,339	28,959	2,285	15,691	126	3,359	14,876	31,983	41,063	45,174	1,486,472	120,000
10/31/69	32,980	35,890	42,866	147	50,796	1,048	4,260	15,372	67,642	116,402	130,482	1,551,628	120,000
11/30/69	20,605	18,989	22,827	123	20,981	611	1,659	15,271	34,146	32,248	44,060	1,585,423	120,000

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF	Ridges Basin Reservoir Content AF
12/31/69	14,103	14,168	16,297	126	20,714	638	1,285	24,448	41,114	33,323	38,244	1,598,792	120,000
1/31/70	3,251	8,611	11,412	126	13,854	691	1,212	15,372	41,574	34,359	34,092	1,599,092	120,000
2/28/70	2,389	6,942	9,754	114	8,171	661	1,110	18,387	37,140	30,098	32,322	1,601,457	118,946
3/31/70	11,060	7,686	12,444	4,178	13,734	476	796	15,372	36,793	42,228	40,490	1,617,408	118,075
4/30/70	16,781	13,915	20,338	6,636	17,427	946	1,232	20,999	38,825	67,132	44,984	1,630,842	118,465
5/31/70	14,337	152,048	152,879	8,381	123,878	4,327	1,982	200,331	334,913	324,494	315,151	1,518,684	120,000
6/30/70	17,939	115,535	118,312	9,198	91,668	2,701	3,120	211,469	316,371	345,073	323,444	1,337,982	120,000
7/31/70	24,955	47,797	50,399	10,464	35,528	1,494	2,959	15,372	54,705	70,353	62,158	1,278,013	120,000
8/31/70	21,558	20,621	24,972	9,053	7,503	938	3,033	30,698	43,209	59,190	55,472	1,215,725	120,000
9/30/70	47,921	92,681	102,013	154	92,888	3,155	6,282	14,876	120,616	187,988	219,417	1,335,286	120,000
10/31/70	25,191	19,605	26,246	377	20,422	689	1,540	15,933	34,157	33,264	34,488	1,368,250	120,000
11/30/70	15,855	12,211	16,533	123	15,083	437	1,755	16,378	31,240	34,717	42,782	1,389,346	120,000
12/31/70	11,827	11,088	13,681	126	15,676	517	903	15,372	40,545	36,412	41,532	1,402,382	120,000
1/31/71	1,285	10,725	13,215	126	14,611	805	1,287	19,698	32,888	34,681	37,400	1,405,953	120,000
2/28/71	3,071	9,429	11,809	114	12,389	1,050	1,737	18,843	31,958	30,098	37,506	1,418,265	120,000
3/31/71	9,190	14,693	16,519	1,534	16,635	1,116	1,465	15,372	41,132	42,292	45,623	1,449,640	120,000
4/30/71	11,784	46,091	45,962	3,209	36,083	2,055	1,307	14,876	48,285	65,089	52,677	1,488,109	120,000
5/31/71	9,446	77,335	77,071	6,731	66,707	3,063	1,872	74,876	136,183	146,773	130,796	1,441,756	120,000
6/30/71	23,264	127,702	133,607	9,289	124,310	3,162	3,185	140,331	260,191	277,954	255,646	1,315,411	120,000
7/31/71	24,741	47,180	50,663	11,121	43,749	1,812	3,022	15,372	56,600	75,959	67,473	1,240,705	120,000
8/31/71	17,243	23,134	24,798	3,344	9,901	127	3,242	15,372	34,606	86,352	82,233	1,192,974	112,103
9/30/71	7,201	14,268	17,722	923	1,762	613	2,251	27,981	32,816	45,364	44,101	1,147,124	107,149
10/31/71	4,012	10,474	14,287	157	7,733	327	1,663	15,372	34,207	65,945	74,330	1,161,022	113,088
11/30/71	7,232	9,521	14,295	129	10,114	392	1,226	18,533	31,240	38,370	49,360	1,164,211	117,042
12/31/71	16,122	9,794	12,175	126	13,577	597	992	17,273	32,281	43,501	54,049	1,184,569	120,000
1/31/72	2,012	9,765	11,664	126	13,976	512	1,267	15,490	39,015	33,323	37,960	1,191,631	120,000
2/29/72	3,008	7,295	10,025	118	10,827	829	1,683	18,248	39,589	31,173	37,831	1,200,492	120,000
3/31/72	11,029	25,270	30,048	800	23,856	1,329	869	17,904	48,343	33,265	38,961	1,242,058	120,000
4/30/72	8,790	34,932	39,774	1,501	21,446	1,216	1,329	22,888	40,803	48,217	32,410	1,261,887	120,000
5/31/72	13,646	91,920	87,340	13,014	84,213	2,538	1,944	15,372	86,338	85,807	74,040	1,280,896	120,000
6/30/72	22,815	87,764	90,075	11,356	84,747	1,956	3,189	14,876	93,436	127,042	105,377	1,263,843	120,000
7/31/72	25,664	23,188	26,794	448	2,767	1,135	3,025	41,908	48,261	47,279	38,663	1,151,846	109,831
8/31/72	17,515	15,186	19,350	1,482	260	669	2,831	40,092	46,544	51,730	36,574	1,064,873	96,927
9/30/72	11,881	14,841	21,270	1,314	2,939	487	2,335	27,318	31,240	42,138	43,313	1,020,459	93,677
10/31/72	15,002	52,390	70,769	1,924	80,168	6,949	9,243	15,372	118,207	266,436	306,690	1,123,163	101,899
11/30/72	23,963	14,671	22,469	484	24,610	2,099	3,140	14,876	52,789	41,751	65,793	1,163,086	112,338
12/31/72	17,727	10,956	12,952	125	16,022	1,478	2,179	15,985	42,388	33,323	43,787	1,189,296	120,000
1/31/73	3,951	15,131	18,526	125	20,315	1,215	2,029	15,372	39,763	37,557	50,526	1,201,662	120,000

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF	Ridges Basin Reservoir Content AF
2/28/73	4,430	11,011	14,928	113	15,625	1,408	2,750	13,884	37,251	64,137	90,770	1,221,978	120,000
3/31/73	37,420	17,530	38,217	4,289	45,460	3,043	5,065	138,347	211,195	252,606	283,483	1,199,384	120,000
4/30/73	57,055	41,080	73,521	7,975	83,715	16,457	18,440	193,388	275,353	381,277	416,394	1,219,898	120,000
5/31/73	104,652	213,272	262,024	14,218	260,809	24,903	22,637	307,438	550,960	657,379	647,434	1,315,223	120,000
6/30/73	87,850	272,886	288,301	27,535	291,285	15,030	13,772	212,501	480,887	511,278	491,426	1,430,535	120,000
7/31/73	44,808	134,809	152,949	12,432	140,029	2,617	2,765	15,372	125,655	141,228	140,603	1,484,648	120,000
8/31/73	28,185	30,551	35,788	6,614	17,814	1,379	2,957	37,941	40,632	35,579	32,281	1,443,582	120,000
9/30/73	31,901	15,267	24,186	2,530	14,628	942	2,244	34,245	41,114	54,124	58,375	1,436,981	120,000
10/31/73	17,708	9,838	14,329	1,510	5,859	557	1,588	38,535	38,324	40,703	43,548	1,431,288	119,090
11/30/73	12,094	9,521	14,089	122	9,891	412	1,373	26,177	31,240	38,487	42,136	1,435,931	115,906
12/31/73	10,859	7,686	10,882	126	10,754	785	1,141	29,983	38,255	44,069	47,746	1,434,092	116,767
1/31/74	2,015	7,686	10,771	126	12,687	645	1,846	15,372	33,306	37,604	42,850	1,439,945	116,708
2/28/74	2,249	6,942	9,344	114	9,862	666	1,256	13,884	32,431	35,773	39,515	1,442,066	114,901
3/31/74	11,406	7,686	13,745	1,390	13,665	918	1,144	15,372	35,395	43,141	50,052	1,487,966	114,729
4/30/74	5,995	15,457	20,305	806	8,545	952	1,276	33,243	35,359	52,615	31,795	1,493,771	115,217
5/31/74	15,626	98,695	93,189	15,737	84,763	3,435	1,925	15,372	84,932	83,034	72,429	1,531,103	120,000
6/30/74	25,631	62,749	62,103	10,742	45,803	2,065	3,331	14,876	55,751	72,337	52,952	1,488,846	120,000
7/31/74	18,720	24,934	30,632	2,023	6,498	615	2,838	28,538	35,809	40,357	32,281	1,401,784	117,251
8/31/74	18,845	16,937	21,446	1,841	3,340	832	2,925	42,360	40,652	47,919	34,930	1,316,426	104,622
9/30/74	4,352	10,845	15,321	180	211	570	2,337	43,473	43,060	36,780	32,868	1,239,794	93,504
10/31/74	5,462	9,838	16,172	128	12,250	294	2,649	15,372	37,759	54,318	59,426	1,239,444	89,953
11/30/74	3,777	9,521	13,901	122	12,572	326	1,181	14,876	36,773	46,321	56,590	1,241,400	88,194
12/31/74	2,133	7,686	9,553	125	9,934	296	750	15,372	33,293	36,315	39,206	1,234,335	88,584
1/31/75	1,448	7,765	10,387	125	11,190	258	757	15,372	38,111	41,667	41,183	1,227,676	88,422
2/28/75	2,043	7,344	10,368	114	10,431	564	1,379	13,884	33,885	35,787	38,168	1,225,714	85,409
3/31/75	22,487	7,686	20,741	1,940	31,102	2,392	3,371	15,372	66,369	75,064	88,925	1,278,213	87,262
4/30/75	40,125	23,086	47,499	5,029	45,536	9,226	8,996	163,636	206,789	221,223	230,554	1,298,066	92,197
5/31/75	45,367	143,457	163,389	5,200	157,129	15,497	11,117	271,736	411,050	425,358	417,834	1,269,596	101,724
6/30/75	83,148	265,291	270,291	13,633	259,515	9,649	7,265	211,269	445,811	459,349	443,452	1,340,938	102,581
7/31/75	48,302	166,012	176,678	10,880	159,374	3,605	2,779	15,372	162,696	201,176	205,911	1,424,425	108,716
8/31/75	21,693	24,985	30,944	6,921	10,798	1,783	2,967	28,015	32,281	43,323	40,557	1,365,487	110,556
9/30/75	26,907	13,388	18,580	2,302	5,053	392	2,234	21,361	31,240	41,556	45,196	1,356,833	107,743
10/31/75	12,789	9,838	13,023	1,340	5,186	588	1,607	28,128	32,281	36,862	38,339	1,340,990	102,398
11/30/75	12,990	9,645	13,868	122	11,276	202	1,124	16,399	31,240	32,782	35,545	1,348,586	98,096
12/31/75	10,277	7,686	9,685	125	9,893	276	601	19,494	37,480	33,323	37,041	1,355,041	99,070
1/31/76	2,664	7,803	9,741	126	9,228	268	984	17,904	32,699	37,094	36,383	1,353,026	98,446
2/29/76	6,311	7,190	11,285	118	11,116	609	1,122	16,018	34,299	31,173	39,794	1,365,501	97,699
3/31/76	12,885	7,686	12,467	2,628	12,729	634	811	18,404	34,753	33,899	37,079	1,398,259	99,804

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF	AF
4/30/76	19,462	20,021	26,444	3,831	17,823	1,993	1,337	35,023	44,777	44,062	31,671	1,435,121	108,085
5/31/76	14,597	111,400	114,057	4,285	99,081	4,319	1,916	74,876	160,404	152,849	143,579	1,489,041	117,586
6/30/76	27,842	121,897	125,671	11,134	113,766	2,642	3,089	140,331	240,445	256,958	239,562	1,422,191	118,413
7/31/76	25,304	31,084	38,618	6,552	20,255	939	3,970	23,604	43,810	38,413	32,281	1,373,686	120,000
8/31/76	14,317	19,769	24,404	6,240	6,400	605	2,919	32,559	32,281	48,800	41,336	1,297,863	112,620
9/30/76	20,919	14,795	18,845	2,410	5,274	71	2,223	29,500	32,369	41,283	44,345	1,276,676	107,853
10/31/76	27,363	9,950	15,320	1,050	9,427	466	1,567	23,806	32,281	36,119	37,966	1,280,983	110,339
11/30/76	12,141	9,570	12,413	122	11,725	232	1,078	23,373	31,240	43,108	44,222	1,275,250	105,945
12/31/76	7,716	7,686	10,696	125	10,195	96	495	24,526	42,537	34,215	33,323	1,266,966	105,857
1/31/77	357	7,778	12,241	123	10,951	66	620	23,620	43,609	40,674	33,323	1,255,674	104,158
2/28/77	996	7,370	9,984	111	9,199	40	668	15,761	33,480	36,516	36,090	1,250,504	100,899
3/31/77	5,034	7,776	9,342	469	7,362	139	810	24,965	32,396	44,009	38,595	1,240,614	96,841
4/30/77	3,683	13,184	18,307	1,511	307	618	1,390	43,145	38,493	70,078	44,647	1,204,003	91,863
5/31/77	12,358	26,486	24,718	10,037	8,470	928	1,852	44,642	48,191	52,448	40,642	1,148,977	88,426
6/30/77	25,213	35,589	39,703	1,366	13,131	1,524	3,274	31,870	46,638	57,476	37,207	1,078,784	82,567
7/31/77	12,504	19,498	29,949	704	236	1,230	2,800	20,964	32,281	55,791	46,396	989,341	74,142
8/31/77	11,945	20,267	28,063	786	7,009	632	3,291	17,536	39,230	61,018	62,982	944,833	68,696
9/30/77	5,393	18,584	22,969	348	2,583	582	2,292	37,984	38,820	44,119	45,083	891,606	60,531
10/31/77	6,810	10,540	15,396	606	4,164	301	1,615	34,422	39,197	40,832	41,644	866,943	57,012
11/30/77	2,361	9,578	12,598	121	10,978	64	1,092	17,504	31,240	41,257	40,471	859,129	52,754
12/31/77	2,020	7,706	8,551	127	9,101	56	336	16,036	32,281	36,587	35,294	848,410	52,723
1/31/78	1,826	8,105	9,391	125	9,689	181	333	15,372	38,357	39,292	42,400	840,264	51,442
2/28/78	1,829	7,340	9,859	113	7,953	172	632	13,884	38,143	42,247	45,745	834,740	48,439
3/31/78	14,872	7,973	20,465	526	22,601	768	1,731	15,372	56,157	68,988	75,879	877,611	49,936
4/30/78	12,265	41,177	56,752	1,165	55,832	5,433	3,045	14,876	58,150	84,090	73,266	955,799	60,731
5/31/78	10,404	109,160	118,406	1,449	108,015	5,157	3,531	15,372	133,615	136,194	129,256	1,048,298	70,319
6/30/78	22,274	199,186	207,357	6,691	192,353	3,854	3,065	14,876	201,865	219,340	182,635	1,120,255	71,244
7/31/78	26,295	47,714	56,403	6,174	34,451	2,367	2,983	15,372	46,898	51,878	38,611	1,060,644	77,449
8/31/78	21,113	18,412	22,131	6,676	1,585	839	2,908	48,581	44,915	42,687	33,149	960,558	65,772
9/30/78	14,106	12,352	15,999	1,101	924	431	2,300	37,444	42,743	39,953	31,240	907,807	54,916
10/31/78	5,833	9,986	13,541	413	5,885	168	1,528	24,106	43,578	39,711	34,009	882,878	48,830
11/30/78	5,728	9,521	17,077	346	17,351	118	1,316	14,876	45,639	54,774	63,769	894,100	45,789
12/31/78	2,822	7,686	11,674	125	12,947	121	340	15,372	39,246	48,321	57,775	893,991	46,590
1/31/79	3,109	7,686	10,444	125	12,502	156	6,328	15,372	41,885	63,933	74,461	892,997	47,392
2/28/79	2,908	6,942	11,788	113	12,378	264	5,415	13,884	48,782	95,984	111,694	895,137	46,561
3/31/79	41,456	7,686	26,798	3,599	41,417	2,892	6,686	138,347	190,279	229,808	255,983	883,849	51,743
4/30/79	79,803	63,640	110,496	7,355	132,887	20,504	22,588	193,388	304,327	368,298	467,032	1,027,567	60,936
5/31/79	113,524	209,475	241,914	11,536	243,019	21,530	19,971	307,438	530,145	621,689	623,391	1,140,020	70,523

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM		AFM	AFM	AFM	AFM	AF	AF
6/30/79	81,621	269,689	298,910	25,302	279,081	8,772	8,887	211,624	467,330	508,672	496,424	1,301,691	71,448
7/31/79	36,532	110,040	118,685	7,455	108,890	3,803	2,880	15,372	101,392	113,910	99,246	1,411,573	77,652
8/31/79	32,492	23,350	24,256	11,022	11,317	1,595	2,804	29,134	32,281	56,495	41,021	1,386,871	81,999
9/30/79	17,738	13,925	16,219	8,506	16,438	967	2,469	31,114	35,897	38,868	38,232	1,332,626	75,086
10/31/79	16,927	9,838	11,162	3,557	6,036	484	1,565	25,419	32,281	35,749	41,347	1,312,424	70,720
11/30/79	12,644	9,742	15,171	121	12,935	365	1,078	21,072	31,240	39,229	43,774	1,311,828	65,891
12/31/79	10,566	7,686	11,601	125	11,515	483	1,113	15,372	32,575	33,683	36,521	1,322,596	66,667
1/31/80	3,233	7,686	9,647	125	11,897	739	1,625	15,372	37,744	42,028	61,868	1,328,921	67,431
2/29/80	9,642	7,190	15,002	139	16,378	1,423	3,080	14,380	43,059	52,705	105,328	1,355,222	66,937
3/31/80	23,950	7,686	23,030	2,511	26,438	2,563	3,301	15,372	36,104	60,456	85,267	1,406,935	67,923
4/30/80	60,948	45,293	79,075	6,571	83,612	21,451	25,034	252,893	331,658	376,336	432,561	1,392,034	74,952
5/31/80	61,887	147,030	178,015	8,720	165,385	22,601	23,229	271,736	429,234	485,198	509,594	1,381,515	84,511
6/30/80	80,630	293,488	302,528	16,004	292,047	13,017	12,474	211,722	505,564	536,447	500,312	1,454,169	85,403
7/31/80	25,885	69,842	75,855	8,602	57,506	3,380	2,973	15,372	72,267	79,519	80,680	1,423,911	91,575
8/31/80	19,098	23,283	27,664	8,915	5,702	1,479	2,941	40,881	34,180	38,070	32,281	1,350,060	84,794
9/30/80	38,414	18,384	23,247	2,673	9,157	1,236	2,237	27,336	31,240	36,638	45,246	1,358,508	84,165
10/31/80	18,560	9,838	13,588	755	5,212	723	1,552	37,097	38,719	41,692	43,769	1,346,589	81,464
11/30/80	13,958	9,550	14,603	123	12,237	509	1,779	21,869	31,240	35,285	43,199	1,356,299	77,611
12/31/80	11,502	7,686	10,512	127	11,390	770	1,242	22,700	32,281	36,535	35,642	1,358,359	78,569
1/31/81	2,256	8,045	9,462	127	11,456	708	893	23,405	32,281	39,960	38,816	1,350,745	77,632
2/28/81	1,731	6,402	9,323	115	8,889	496	918	22,447	29,157	33,726	37,720	1,341,515	74,373
3/31/81	8,276	7,570	12,227	1,374	12,383	468	814	21,126	32,281	44,565	44,768	1,341,499	70,315
4/30/81	7,229	22,470	29,776	1,461	13,001	1,587	1,360	28,633	36,007	42,487	37,169	1,346,326	73,101
5/31/81	9,132	57,444	57,581	6,422	34,114	3,191	1,849	15,372	42,711	47,438	39,342	1,364,193	82,664
6/30/81	24,787	92,781	117,113	6,276	73,940	2,818	3,265	14,876	84,295	89,857	79,726	1,383,421	83,561
7/31/81	16,813	32,224	37,455	6,247	12,565	1,885	2,762	18,267	32,281	48,664	56,370	1,317,602	87,994
8/31/81	20,273	18,394	24,055	7,319	5,678	620	3,022	34,855	36,913	49,116	41,620	1,246,867	81,426
9/30/81	13,317	18,411	20,411	3,336	2,285	620	2,452	24,177	31,240	40,099	53,263	1,211,842	76,468
10/31/81	10,035	16,128	19,883	161	15,452	498	2,076	15,372	45,465	49,049	54,268	1,238,179	85,766
11/30/81	18,404	9,521	13,692	123	11,006	397	1,103	26,568	31,240	43,154	49,538	1,251,294	88,146
12/31/81	11,834	7,686	9,170	127	10,832	632	792	23,948	32,281	45,569	45,819	1,249,118	91,068
1/31/82	2,026	7,686	9,773	127	11,103	453	505	20,228	33,388	41,418	43,255	1,242,318	92,292
2/28/82	5,317	6,942	10,134	115	11,698	541	1,173	13,884	31,197	44,722	49,290	1,245,796	92,000
3/31/82	19,502	7,686	13,761	1,032	19,467	2,025	2,087	15,372	39,590	51,312	55,168	1,316,020	94,634
4/30/82	21,389	33,015	38,018	1,077	33,975	4,248	2,594	14,876	47,762	56,718	51,056	1,431,908	102,159
5/31/82	19,529	115,175	119,510	3,117	108,512	5,417	2,683	112,562	206,068	217,985	193,318	1,482,366	111,670
6/30/82	32,937	178,991	179,372	12,983	164,638	5,150	3,244	187,559	347,292	342,352	329,401	1,415,194	112,508
7/31/82	24,216	80,713	83,419	12,032	68,035	2,687	2,946	24,379	97,895	93,652	79,457	1,386,849	118,622

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF	AF
8/31/82	22,571	55,602	62,135	4,232	37,355	334	2,947	15,372	68,294	86,311	121,714	1,401,962	120,000
9/30/82	56,165	51,292	60,329	1,544	43,341	117	2,629	14,876	67,621	67,073	83,603	1,495,213	120,000
10/31/82	29,983	21,935	28,108	702	16,773	471	1,606	15,372	37,742	37,142	43,319	1,544,880	120,000
11/30/82	17,833	11,186	14,315	123	15,961	510	1,542	14,876	35,747	39,431	52,394	1,571,562	120,000
12/31/82	15,287	12,165	13,786	127	19,983	903	1,942	21,340	36,928	33,323	51,196	1,595,826	120,000
1/31/83	2,962	8,940	11,520	127	16,237	871	1,331	16,968	32,281	37,816	46,466	1,608,015	120,000
2/28/83	5,430	7,286	11,609	115	13,276	1,409	3,068	13,884	32,929	44,610	50,012	1,627,229	120,000
3/31/83	18,327	15,955	27,067	2,217	32,316	4,078	5,390	138,347	171,390	187,244	249,052	1,588,544	120,000
4/30/83	28,198	31,146	44,222	4,448	48,282	11,395	13,514	193,388	238,434	272,058	329,411	1,540,784	120,000
5/31/83	25,178	137,388	159,555	5,875	131,369	15,948	13,728	307,438	424,991	472,660	516,006	1,411,244	120,000
6/30/83	60,898	236,496	253,148	18,804	229,988	8,628	5,973	212,486	438,487	475,020	477,825	1,440,942	120,000
7/31/83	30,888	132,772	137,221	8,875	120,498	4,221	2,888	15,970	131,813	147,528	172,702	1,470,887	120,000
8/31/83	28,821	44,432	49,758	8,329	32,078	1,422	2,867	15,372	53,169	52,602	85,369	1,465,991	120,000
9/30/83	21,457	13,603	13,939	8,037	3,239	989	2,333	41,747	31,772	35,502	36,081	1,421,411	119,406
10/31/83	30,265	20,143	26,036	1,501	25,314	508	1,621	15,372	43,641	46,705	59,609	1,471,498	120,000
11/30/83	15,670	9,521	14,729	129	13,262	1,016	2,369	18,238	31,240	32,347	40,662	1,487,978	119,845
12/31/83	14,630	12,001	14,372	127	17,820	1,434	2,320	15,372	37,853	38,991	48,372	1,511,062	120,000
1/31/84	2,763	11,119	13,596	127	15,212	1,141	1,968	18,137	33,068	33,323	33,325	1,517,097	120,000
2/29/84	3,016	8,603	11,147	119	11,474	1,166	2,269	19,396	36,806	42,113	40,550	1,523,217	120,000
3/31/84	21,492	15,538	23,660	2,204	26,414	4,288	5,215	15,372	48,275	56,378	66,461	1,606,476	120,000
4/30/84	27,492	37,504	43,003	3,797	44,287	7,416	6,150	193,388	236,076	269,456	276,063	1,533,371	120,000
5/31/84	19,330	227,167	228,025	10,236	209,401	6,605	3,255	200,331	389,316	455,111	408,664	1,565,415	120,000
6/30/84	49,736	174,346	174,941	13,707	156,145	3,942	3,218	212,341	360,797	435,161	381,567	1,456,991	120,000
7/31/84	25,681	93,786	94,536	12,642	76,311	1,764	2,915	15,372	92,153	109,771	96,119	1,411,950	120,000
8/31/84	33,219	52,304	54,667	7,566	37,046	487	2,953	15,372	63,539	79,184	87,485	1,405,790	120,000
9/30/84	31,602	25,226	33,007	3,911	17,299	908	2,330	24,869	32,423	43,893	60,595	1,404,818	120,000
10/31/84	38,837	27,855	35,807	218	30,012	651	2,077	15,372	45,682	52,929	64,224	1,475,713	120,000
11/30/84	20,437	16,782	22,169	128	20,493	682	2,279	14,876	40,140	44,524	43,683	1,508,130	120,000
12/31/84	19,271	15,117	19,833	127	21,941	1,321	2,312	15,372	41,668	47,896	53,700	1,546,310	120,000
1/31/85	4,130	11,788	15,160	127	17,278	1,085	2,608	19,437	38,469	44,085	54,433	1,555,739	120,000
2/28/85	5,262	9,162	13,567	115	13,126	960	2,194	13,884	38,842	44,313	61,766	1,579,828	120,000
3/31/85	30,443	18,849	35,719	3,404	37,275	5,137	6,187	292,066	333,140	321,142	352,707	1,464,960	120,000
4/30/85	47,743	100,751	112,396	5,689	116,397	14,652	16,063	297,521	398,800	436,311	458,043	1,479,635	120,000
5/31/85	73,894	192,171	196,633	6,836	192,377	8,792	8,491	307,438	472,182	508,338	491,773	1,480,028	120,000
6/30/85	72,544	247,107	252,979	20,641	246,576	4,384	3,160	215,328	454,948	457,770	433,211	1,582,033	120,000
7/31/85	26,047	88,574	89,282	12,385	70,304	2,517	2,993	39,832	111,832	119,819	122,613	1,575,318	120,000
8/31/85	25,170	24,442	26,958	11,807	13,296	1,318	3,003	30,604	32,281	39,474	36,024	1,538,795	120,000
9/30/85	35,288	33,284	35,110	4,646	26,905	237	3,049	14,876	55,846	54,668	60,935	1,569,244	120,000

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan Corners	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	Juan AFM	AFM	AFM	AFM	AFM	AFM	AF	AF
10/31/85	33,293	30,744	35,402	827	32,039	1,269	2,243	15,372	49,314	58,360	63,051	1,639,659	120,000	
11/30/85	21,861	18,469	23,221	123	22,576	1,536	2,813	15,340	42,998	45,082	60,987	1,677,245	120,000	
12/31/85	15,544	16,477	19,761	127	20,833	1,379	2,197	29,468	57,512	59,467	74,614	1,688,051	120,000	
1/31/86	2,372	14,162	16,857	127	18,944	1,123	1,781	15,372	45,189	44,526	52,953	1,697,569	120,000	
2/28/86	4,299	12,050	17,479	115	18,034	1,594	2,398	39,722	68,581	75,014	93,244	1,701,299	120,000	
3/31/86	18,220	28,101	34,170	1,677	34,494	4,932	5,108	230,579	268,702	282,011	300,349	1,576,649	120,000	
4/30/86	39,296	61,628	81,662	5,405	65,375	8,067	12,042	297,521	359,754	393,161	449,049	1,489,925	120,000	
5/31/86	57,237	166,388	175,306	5,485	151,530	5,934	4,309	307,438	447,098	460,973	470,571	1,385,194	120,000	
6/30/86	54,585	211,365	199,385	26,557	210,433	3,736	6,123	214,414	434,570	421,150	413,776	1,430,364	120,000	
7/31/86	45,209	109,518	105,450	15,627	114,990	1,145	8,357	53,886	203,348	231,701	222,993	1,510,995	120,000	
8/31/86	33,607	26,330	34,152	4,294	8,225	335	3,663	45,456	55,314	67,067	60,472	1,467,446	120,000	
9/30/86	49,417	37,880	47,814	1,339	34,727	1,378	4,782	33,347	69,335	90,056	108,410	1,509,031	120,000	
10/31/86	48,670	46,518	56,595	495	57,092	4,230	8,547	34,853	98,331	104,548	126,252	1,608,000	120,000	
11/30/86	39,786	32,792	46,191	1,100	49,255	4,706	9,354	47,913	104,415	113,595	155,814	1,695,900	120,000	
12/31/86	20,420	21,155	28,602	291	32,152	3,196	4,718	69,002	100,908	112,739	132,198	1,686,302	120,000	
1/31/87	3,985	14,014	18,892	127	21,423	1,740	2,979	15,372	36,656	50,805	53,479	1,698,547	120,000	
2/28/87	8,586	10,690	21,773	511	21,302	2,603	4,750	49,628	83,748	104,431	122,570	1,701,300	120,000	
3/31/87	29,456	20,608	36,581	4,813	44,479	6,372	10,265	230,579	282,217	296,686	345,771	1,593,349	120,000	
4/30/87	47,921	79,220	100,259	9,058	109,249	20,246	24,551	282,645	381,482	428,386	442,662	1,537,682	120,000	
5/31/87	55,529	185,621	189,765	13,356	195,878	8,920	7,927	295,537	495,102	536,678	530,288	1,487,610	120,000	
6/30/87	76,058	219,978	205,373	29,497	228,703	5,205	3,224	211,952	444,335	425,204	446,978	1,542,572	120,000	
7/31/87	30,547	81,203	81,247	14,125	67,998	2,653	2,836	15,372	100,117	94,132	97,398	1,528,717	120,000	
8/31/87	35,507	33,870	36,869	7,568	20,311	1,254	2,755	15,372	40,520	43,081	52,342	1,515,422	120,000	
9/30/87	20,882	13,443	18,937	3,788	1,392	1,142	2,389	31,671	33,559	33,045	31,945	1,478,792	118,647	
10/31/87	18,832	9,838	14,573	805	7,912	800	1,574	22,137	32,281	34,018	46,176	1,477,484	118,769	
11/30/87	21,444	12,782	23,003	613	21,758	1,984	4,418	14,876	39,318	54,578	106,704	1,510,044	120,000	
12/31/87	12,432	10,518	14,214	127	17,434	1,376	2,312	15,372	39,187	45,599	55,231	1,519,239	120,000	
1/31/88	2,205	8,866	15,693	155	14,777	1,263	2,625	15,372	36,167	43,365	50,463	1,516,714	120,000	
2/29/88	4,075	7,729	13,945	119	13,284	1,618	3,661	14,380	34,439	48,616	64,403	1,521,625	120,000	
3/31/88	17,777	13,180	22,883	2,706	23,372	2,705	3,598	15,372	39,594	76,289	67,623	1,572,121	120,000	
4/30/88	19,907	35,250	42,247	3,299	38,127	2,513	1,641	20,826	52,479	71,913	92,727	1,636,383	120,000	
5/31/88	13,898	92,709	92,495	8,968	81,205	4,295	1,872	200,331	277,844	282,409	278,111	1,507,411	120,000	
6/30/88	22,862	115,361	116,026	13,186	101,709	3,753	3,152	211,240	316,347	325,171	320,175	1,331,772	120,000	
7/31/88	24,664	29,245	36,850	6,453	20,753	2,352	3,133	26,922	41,316	45,306	32,281	1,268,043	120,000	
8/31/88	17,195	24,113	28,188	6,399	17,001	930	2,762	15,372	64,289	90,832	69,993	1,257,774	120,000	
9/30/88	23,080	25,692	30,247	3,281	12,986	1,581	2,360	14,876	41,152	57,719	59,009	1,243,847	120,000	
10/31/88	18,401	12,874	21,041	1,515	11,043	800	1,636	21,990	32,281	34,694	41,004	1,238,721	120,000	
11/30/88	15,313	9,521	15,391	131	16,413	797	1,375	19,849	31,240	37,341	52,119	1,244,962	118,091	

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
12/31/88	12,635	7,713	12,246	127	15,700	739	1,960	22,447	32,281	36,948	53,981	1,244,724	119,533
1/31/89	2,961	7,712	14,419	246	15,150	916	1,544	17,634	32,281	36,521	46,510	1,242,016	119,687
2/28/89	4,613	6,942	12,526	115	12,439	1,175	2,359	13,884	29,213	32,829	51,511	1,250,996	119,555
3/31/89	21,025	30,421	41,509	642	28,657	4,004	5,025	15,372	48,958	72,240	69,551	1,351,676	120,000
4/30/89	8,699	71,942	77,278	3,158	58,468	3,026	1,491	14,876	69,876	89,151	75,348	1,454,517	120,000
5/31/89	18,081	103,496	94,125	19,831	85,761	3,576	2,041	46,612	118,165	125,998	119,062	1,477,592	120,000
6/30/89	25,197	67,671	64,622	3,916	40,556	2,515	3,297	112,066	144,748	143,392	139,212	1,376,732	120,000
7/31/89	25,798	30,074	29,815	450	2,947	1,503	2,823	37,929	41,188	41,467	32,768	1,295,113	113,992
8/31/89	21,760	24,209	29,132	2,362	4,830	1,205	2,807	31,624	36,177	43,622	50,638	1,241,120	107,611
9/30/89	12,574	13,493	16,383	1,276	3,035	759	2,327	39,399	43,567	37,508	33,063	1,180,110	97,488
10/31/89	6,042	9,910	15,293	667	7,253	253	1,516	27,338	36,713	35,703	42,861	1,166,932	96,296
11/30/89	1,216	9,296	14,103	123	12,599	124	1,092	14,876	31,256	38,188	37,612	1,158,964	90,959
12/31/89	1,337	6,381	10,854	126	12,876	125	353	16,104	32,281	34,919	38,957	1,147,873	89,261
1/31/90	1,460	5,974	10,688	127	11,948	178	371	17,488	32,281	36,241	36,374	1,137,343	87,562
2/28/90	1,959	5,616	9,503	115	9,280	297	674	14,649	29,461	30,098	36,046	1,131,786	84,303
3/31/90	10,072	7,745	11,848	263	11,126	650	840	20,189	32,281	35,303	41,940	1,140,891	81,240
4/30/90	12,888	15,460	21,095	735	6,276	1,125	1,372	32,591	31,240	35,143	34,858	1,166,858	83,244
5/31/90	11,365	80,926	83,950	4,434	63,975	3,691	1,780	15,372	77,104	85,741	72,327	1,242,982	92,787
6/30/90	23,974	118,307	123,448	10,296	100,395	3,428	3,327	14,876	117,929	122,332	91,388	1,286,625	93,662
7/31/90	19,409	32,079	38,138	5,797	14,748	1,791	2,877	22,412	34,643	39,188	35,349	1,236,269	95,088
8/31/90	17,263	20,854	23,166	4,448	3,044	127	3,829	35,225	32,281	44,152	44,167	1,182,425	87,499
9/30/90	28,436	18,525	20,242	2,188	5,620	616	2,335	26,549	31,240	40,780	46,245	1,162,572	84,172
10/31/90	34,779	21,030	27,984	1,061	24,943	727	1,571	15,372	44,747	57,134	67,174	1,211,556	93,962
11/30/90	20,925	9,787	15,563	221	16,783	299	1,107	14,876	34,868	44,144	47,882	1,241,426	99,416
12/31/90	12,704	7,686	12,694	237	15,116	146	585	15,372	34,844	46,581	43,070	1,251,669	102,050
1/31/91	2,480	7,715	11,567	127	13,512	132	628	15,372	37,237	52,572	46,063	1,253,284	102,657
2/28/91	4,942	6,942	10,492	115	10,662	663	2,407	13,884	40,746	55,540	70,672	1,262,446	102,698
3/31/91	8,626	7,686	13,635	242	14,688	922	1,993	15,372	34,947	38,705	50,494	1,301,337	104,565
4/30/91	17,106	33,951	40,900	793	28,502	2,841	2,115	14,876	42,893	51,538	44,524	1,426,489	114,314
5/31/91	11,981	124,137	115,478	16,813	103,318	4,636	1,879	46,612	154,268	165,588	133,702	1,490,288	120,000
6/30/91	25,771	119,418	117,046	14,900	101,800	3,772	3,137	112,066	227,979	234,379	217,492	1,440,217	120,000
7/31/91	25,216	35,138	34,626	3,077	12,838	2,346	3,003	41,219	37,704	45,166	32,281	1,359,276	120,000
8/31/91	18,121	23,089	28,463	2,156	695	886	2,834	48,681	38,703	42,883	37,515	1,290,693	109,502
9/30/91	23,086	31,880	41,231	2,295	18,911	1,477	2,311	14,876	40,377	47,529	44,539	1,314,939	112,421
10/31/91	13,973	9,838	14,016	1,425	7,260	516	1,582	33,890	43,759	40,419	33,912	1,295,606	109,631
11/30/91	18,885	9,521	17,154	373	18,799	388	1,730	14,876	40,938	59,052	67,335	1,320,345	108,643
12/31/91	12,827	7,686	14,307	296	16,296	467	877	15,372	33,510	46,466	53,382	1,340,958	110,654
1/31/92	1,583	7,990	14,327	253	15,006	369	862	15,800	32,281	37,414	38,407	1,341,962	109,550

Model Output - Refined Alternative 4

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan AFM	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan Corners	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content	Ridges Basin Reservoir Content
2/29/92	4,546	7,190	13,627	122	15,155	695	1,544	14,380	38,998	54,259	66,982	1,358,235	108,680	
3/31/92	15,052	7,686	19,290	1,457	19,864	2,425	1,722	15,372	37,614	42,869	44,417	1,425,193	112,099	
4/30/92	16,677	48,634	73,948	2,708	49,466	6,596	4,770	20,826	72,428	107,490	76,435	1,554,286	120,000	
5/31/92	14,129	153,239	175,484	2,349	135,748	8,217	7,349	200,331	334,702	376,395	348,065	1,520,464	120,000	
6/30/92	39,021	112,130	133,824	6,470	98,877	3,641	3,283	211,240	305,830	320,560	295,880	1,388,665	120,000	
7/31/92	23,713	45,366	48,298	10,350	29,054	2,459	2,826	15,372	46,277	58,376	60,147	1,351,424	120,000	
8/31/92	19,874	23,158	27,119	7,213	6,936	1,440	2,839	30,618	37,005	37,583	33,972	1,311,595	120,000	
9/30/92	26,263	13,820	17,594	3,859	3,417	563	2,174	33,260	31,240	42,699	51,879	1,293,882	120,000	
10/31/92	15,447	9,838	14,385	1,211	6,407	348	1,532	26,694	32,808	37,444	40,534	1,283,416	117,724	
11/30/92	14,250	9,521	13,161	123	13,363	316	1,418	15,607	31,240	40,482	47,364	1,291,516	116,234	
12/31/92	11,471	7,686	12,605	128	14,681	343	1,787	16,183	32,281	41,124	44,327	1,300,951	117,429	
1/31/93	2,586	7,686	11,461	126	12,687	782	4,609	15,372	44,984	64,011	107,181	1,309,357	119,009	
2/28/93	4,107	6,942	13,487	118	13,437	1,136	3,361	13,884	54,236	50,210	92,355	1,325,384	119,240	
3/31/93	42,583	23,865	56,857	3,717	56,903	7,859	10,816	15,372	81,301	91,519	109,116	1,484,539	120,000	
4/30/93	44,166	64,581	90,855	5,350	77,499	16,493	19,539	163,636	231,960	266,402	273,237	1,534,374	120,000	
5/31/93	34,481	224,957	240,640	5,727	225,534	14,694	16,217	251,405	455,430	513,169	479,842	1,546,429	120,000	
6/30/93	77,620	223,036	228,357	19,909	232,336	5,207	4,940	213,689	450,470	470,695	431,725	1,546,922	120,000	
7/31/93	25,504	74,814	81,605	7,516	59,117	3,339	2,929	15,372	83,707	77,718	72,549	1,508,843	120,000	
8/31/93	20,759	27,716	33,726	2,680	13,102	1,523	2,698	28,301	40,693	53,016	37,841	1,498,450	120,000	
9/30/93	35,940	19,347	33,266	3,125	25,354	1,104	2,267	14,876	41,950	55,664	53,835	1,522,600	120,000	
Average Annual	223,252	105,677	565,284	17,120	177,175	20,872	28,460	562,772	1,053,255	1,107,361	1,248,552	1,312,062	102,581	

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
10/31/28	11,634	16,486	18,830	129	15,635	402	1,397	21,125	34,811	37,513	40,049	1,325,110
11/30/28	13,868	16,699	19,966	129	22,712	433	1,280	14,876	37,907	49,778	57,473	1,347,700
12/31/28	10,056	12,514	15,350	126	18,255	573	1,019	15,372	35,207	39,038	42,004	1,354,302
1/31/29	1,496	10,758	13,534	126	16,053	574	1,170	17,643	35,017	35,807	37,445	1,348,761
2/28/29	2,610	8,548	11,231	114	13,054	753	1,638	17,102	30,705	39,550	45,538	1,344,901
3/31/29	14,345	13,601	20,581	2,089	25,188	2,008	2,413	15,372	40,883	70,104	87,213	1,397,822
4/30/29	31,436	50,258	63,572	5,624	62,614	7,052	6,429	20,826	82,078	119,847	132,672	1,533,735
5/31/29	24,429	172,222	181,111	6,916	169,593	11,306	8,906	200,331	364,834	376,790	374,402	1,531,295
6/30/29	54,231	207,084	219,181	17,867	221,532	5,581	6,977	215,740	428,848	423,009	417,331	1,470,012
7/31/29	26,018	96,112	106,449	6,056	93,225	2,245	6,280	53,748	139,554	192,190	217,178	1,410,201
8/31/29	57,540	93,532	98,570	11,054	95,746	3,038	7,649	37,570	126,429	259,253	326,806	1,559,025
9/30/29	49,772	76,740	80,399	9,346	82,301	658	2,599	34,577	112,365	209,520	260,869	1,692,189
10/31/29	25,776	36,765	40,438	3,111	42,312	569	1,411	64,848	105,151	108,800	112,039	1,701,300
11/30/29	14,707	16,912	20,037	1,568	24,359	169	1,053	36,592	61,465	61,289	62,699	1,701,300
12/31/29	9,943	11,256	13,785	626	16,894	285	697	38,277	56,882	59,194	61,619	1,684,581
1/31/30	1,578	9,021	11,501	9,935	23,365	349	944	15,372	40,163	39,513	40,490	1,680,514
2/28/30	2,900	10,282	13,365	114	15,749	691	1,566	13,923	30,328	41,773	51,554	1,690,715
3/31/30	12,083	14,347	21,378	2,912	25,949	1,999	2,136	35,980	61,884	61,132	68,631	1,696,727
4/30/30	19,102	63,746	75,957	4,665	71,009	5,398	3,424	133,884	202,279	204,487	203,110	1,700,739
5/31/30	11,426	105,014	106,423	5,419	93,176	4,837	2,968	200,331	289,088	284,992	280,759	1,558,204
6/30/30	29,148	150,471	149,033	11,771	138,520	3,681	2,968	211,240	341,422	376,678	394,665	1,386,783
7/31/30	19,121	51,289	52,879	4,060	36,226	1,380	2,488	15,372	44,433	64,381	77,080	1,359,161
8/31/30	22,036	47,612	45,744	9,542	35,494	1,532	2,639	15,372	43,212	119,951	162,947	1,368,203
9/30/30	14,632	17,320	17,525	4,991	10,149	572	1,911	30,909	35,806	33,904	35,358	1,326,233
10/31/30	17,004	15,729	16,680	1,320	14,087	349	1,344	24,287	36,355	32,984	32,729	1,322,835
11/30/30	13,085	10,693	12,419	122	13,862	204	1,056	19,542	33,788	32,756	33,688	1,325,779
12/31/30	9,600	8,873	10,483	126	12,188	277	590	21,431	35,234	34,567	35,413	1,324,970
1/31/31	1,349	7,699	9,191	126	10,542	213	599	23,710	35,602	34,563	35,394	1,311,788
2/28/31	2,057	5,811	7,074	114	7,929	290	893	22,310	30,818	43,666	52,163	1,304,205
3/31/31	7,577	7,185	9,918	129	10,065	596	1,061	25,619	35,806	34,058	35,362	1,305,299
4/30/31	10,398	14,290	16,683	1,098	10,442	2,001	1,858	26,518	35,082	31,240	32,695	1,321,831
5/31/31	14,847	59,010	57,621	6,555	45,397	3,455	1,733	46,612	87,014	79,937	76,687	1,329,544
6/30/31	26,746	82,971	79,897	12,223	67,951	2,889	2,960	112,066	171,536	191,153	202,353	1,228,372
7/31/31	26,821	28,925	29,098	8,987	15,356	1,926	2,684	27,828	35,831	67,439	87,133	1,164,779
8/31/31	24,021	19,991	18,236	6,050	5,064	761	2,661	39,489	36,701	56,812	69,695	1,098,622

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
9/30/31	15,035	18,549	18,230	1,619	9,932	110	2,196	27,932	33,473	46,883	55,553	1,085,241
10/31/31	7,863	23,275	25,019	1,477	24,446	136	1,367	15,372	38,135	73,053	92,503	1,118,265
11/30/31	3,015	10,541	12,627	123	14,148	491	1,367	18,051	32,508	42,107	48,655	1,123,779
12/31/31	3,996	9,946	12,257	126	14,411	609	1,158	18,203	34,181	39,442	43,214	1,121,855
1/31/32	2,583	8,822	11,333	126	13,277	901	1,716	19,977	34,565	34,561	35,436	1,116,617
2/29/32	6,213	8,776	11,843	118	13,801	1,248	2,305	15,820	30,198	114,391	159,321	1,152,078
3/31/32	24,467	19,774	30,022	789	35,319	3,182	3,350	15,372	51,003	58,339	62,524	1,277,975
4/30/32	47,910	70,696	88,470	2,026	83,920	10,315	8,315	163,636	245,937	264,732	263,311	1,433,172
5/31/32	45,501	203,869	209,311	3,690	197,415	10,758	7,297	307,438	500,734	511,030	506,961	1,442,617
6/30/32	71,073	205,190	210,527	7,058	201,882	5,133	5,458	212,203	405,680	399,070	393,869	1,459,300
7/31/32	30,826	99,963	103,299	6,853	89,177	887	2,656	15,372	97,113	102,007	105,225	1,505,334
8/31/32	35,771	59,661	58,184	6,043	47,270	337	3,835	15,372	55,641	87,429	106,067	1,548,055
9/30/32	25,408	23,460	23,670	4,821	16,530	557	2,052	21,346	32,728	58,505	74,213	1,538,927
10/31/32	17,960	15,437	16,432	1,177	13,987	384	1,382	22,914	34,880	35,020	36,619	1,540,619
11/30/32	11,980	11,891	13,612	123	15,085	365	1,183	18,436	33,750	32,874	33,991	1,543,940
12/31/32	9,355	8,478	9,860	126	11,342	452	765	22,314	35,150	34,564	35,346	1,540,325
1/31/33	1,326	5,078	6,215	1,980	8,716	346	809	25,364	35,331	35,663	37,077	1,528,851
2/28/33	2,670	4,711	6,018	114	6,632	496	1,197	23,539	30,653	43,113	51,201	1,519,603
3/31/33	12,395	10,902	15,391	2,945	19,667	1,236	1,568	15,372	35,292	40,341	45,210	1,545,511
4/30/33	16,985	20,449	24,999	4,699	25,824	3,127	3,415	20,826	46,463	44,196	43,401	1,556,745
5/31/33	11,494	83,242	84,918	5,249	73,476	5,083	3,994	200,331	269,950	266,188	261,796	1,389,763
6/30/33	28,246	172,360	167,435	14,521	161,055	3,076	2,852	211,240	363,632	371,593	375,868	1,292,889
7/31/33	19,406	52,196	51,900	9,521	38,500	2,234	2,595	15,372	46,321	88,461	111,247	1,254,620
8/31/33	23,916	18,625	18,386	8,661	8,632	1,169	2,633	36,542	37,116	54,452	66,471	1,193,035
9/30/33	12,016	24,001	24,437	3,165	17,711	229	1,968	18,575	31,874	63,851	82,743	1,199,344
10/31/33	19,303	17,025	17,978	1,576	15,328	467	1,378	19,021	32,565	55,772	68,919	1,219,337
11/30/33	12,833	9,904	11,597	127	12,118	211	1,062	21,388	33,804	32,773	33,672	1,223,999
12/31/33	9,797	9,088	10,819	126	12,099	335	724	20,765	34,480	39,635	43,361	1,224,353
1/31/34	1,430	7,324	8,955	126	9,863	410	966	23,759	34,971	36,673	38,715	1,214,908
2/28/34	1,913	6,714	8,397	114	9,109	839	1,538	21,980	31,667	31,147	32,337	1,207,224
3/31/34	9,132	9,555	13,410	624	13,065	1,566	1,462	22,667	35,399	34,200	34,634	1,220,579
4/30/34	8,744	41,132	44,986	2,596	36,672	2,470	1,235	14,876	48,949	44,403	42,537	1,259,687
5/31/34	17,261	76,522	67,042	15,751	64,349	2,748	1,646	15,372	75,505	91,646	99,660	1,268,395
6/30/34	25,644	22,008	17,916	4,993	3,487	1,658	2,576	39,723	34,862	56,777	70,971	1,174,616
7/31/34	29,388	11,305	8,251	2,224	-	1,730	2,376	48,446	41,188	56,632	68,999	1,070,236

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata R. at State line AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
8/31/34	14,610	11,023	8,629	1,554	-	977	2,429	47,062	39,830	53,152	63,895	975,839
9/30/34	6,466	11,891	10,830	251	1,201	663	1,948	37,097	34,057	39,363	43,697	921,001
10/31/34	5,119	9,575	9,766	191	4,741	401	1,364	33,083	35,143	35,154	36,636	887,202
11/30/34	1,284	8,125	9,540	123	10,512	192	1,085	23,351	34,004	32,762	33,748	871,851
12/31/34	1,442	7,616	9,195	126	10,600	389	861	22,973	35,030	35,419	36,742	857,747
1/31/35	1,475	7,209	8,976	126	10,266	638	1,340	22,637	34,126	41,785	46,886	845,713
2/28/35	2,872	6,681	8,665	114	9,822	989	1,966	20,110	30,383	39,472	45,518	842,820
3/31/35	11,791	12,437	18,237	218	20,370	2,197	2,625	15,372	35,965	35,649	39,265	874,428
4/30/35	28,402	38,397	46,970	630	41,762	8,088	7,254	14,876	55,691	65,567	64,472	1,015,657
5/31/35	28,822	87,711	92,916	388	77,429	11,938	10,656	74,876	148,603	159,906	156,545	1,106,168
6/30/35	66,668	235,578	237,820	6,731	229,854	15,455	11,701	145,050	366,273	371,949	366,626	1,333,461
7/31/35	31,261	88,210	90,786	5,848	74,670	3,290	2,701	15,372	82,467	104,055	114,435	1,409,403
8/31/35	34,159	42,125	41,892	5,192	31,007	720	2,464	15,372	39,718	44,220	49,494	1,438,630
9/30/35	33,389	25,289	25,782	2,041	19,076	291	1,911	17,427	32,485	55,801	70,204	1,473,103
10/31/35	20,215	18,900	20,660	318	18,339	407	1,370	17,714	34,475	37,136	39,950	1,492,968
11/30/35	13,030	11,973	14,153	122	16,069	268	1,115	17,196	33,746	32,759	33,639	1,502,952
12/31/35	9,806	9,289	11,362	126	13,444	375	768	19,798	34,929	35,560	36,902	1,501,272
1/31/36	1,573	8,555	10,824	126	12,734	476	1,143	20,463	34,603	38,284	41,227	1,491,063
2/29/36	2,896	7,535	10,051	118	11,692	940	1,994	18,491	30,856	43,914	51,924	1,482,025
3/31/36	15,921	16,664	25,044	2,359	30,057	3,673	3,483	15,372	45,521	48,068	50,376	1,549,722
4/30/36	25,118	77,288	92,423	4,628	86,922	10,686	6,950	37,076	120,891	137,739	136,196	1,697,852
5/31/36	16,930	165,911	160,911	11,103	149,997	9,279	4,507	200,331	344,498	347,009	342,869	1,637,471
6/30/36	27,462	94,892	94,071	10,550	79,826	4,068	3,051	211,240	282,625	295,171	301,268	1,421,849
7/31/36	23,641	38,816	40,595	6,138	24,648	1,186	2,459	21,031	38,506	41,109	45,298	1,363,352
8/31/36	14,441	41,168	40,979	3,956	25,441	1,474	3,648	17,536	35,295	58,022	72,031	1,336,825
9/30/36	35,863	24,223	24,975	3,424	19,149	164	1,981	16,360	31,475	63,655	82,275	1,357,730
10/31/36	24,172	16,367	18,191	330	16,527	496	1,698	19,927	35,311	40,178	44,472	1,372,986
11/30/36	20,086	14,334	16,925	123	19,052	419	1,305	14,876	34,327	38,145	42,229	1,397,644
12/31/36	13,067	10,118	12,361	126	14,590	572	1,078	18,680	34,963	40,316	44,754	1,402,023
1/31/37	2,495	8,622	10,930	126	12,809	647	1,303	21,402	35,622	34,561	35,662	1,391,916
2/28/37	3,319	8,375	11,058	114	12,859	791	1,616	15,658	29,157	93,468	129,360	1,394,204
3/31/37	15,622	14,979	22,574	2,032	27,239	1,453	2,065	15,372	42,904	77,908	98,297	1,480,067
4/30/37	44,258	69,054	83,675	4,466	79,283	8,885	7,018	193,388	270,404	306,531	318,006	1,604,100
5/31/37	35,111	200,839	193,542	13,523	185,769	8,298	4,171	307,438	487,473	493,288	489,341	1,588,326
6/30/37	55,785	111,715	108,629	10,990	95,907	3,287	2,899	211,240	298,843	296,520	294,094	1,491,978

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
7/31/37	20,217	45,246	44,930	6,941	31,346	2,378	2,410	15,372	39,607	75,906	95,087	1,470,409
8/31/37	25,059	19,204	18,503	9,787	8,376	1,475	2,484	36,497	37,181	44,480	50,708	1,413,194
9/30/37	19,276	15,636	15,987	3,664	7,972	533	1,870	30,935	33,925	45,554	53,793	1,374,632
10/31/37	17,612	15,409	16,538	1,410	12,580	453	1,344	23,039	32,863	59,071	74,464	1,377,658
11/30/37	12,927	11,332	13,350	122	14,431	149	964	20,707	35,254	32,823	33,686	1,381,273
12/31/37	9,988	8,769	10,748	126	12,630	150	466	21,504	35,736	39,595	43,258	1,377,318
1/31/38	2,046	8,132	10,359	126	12,110	175	640	22,456	35,904	38,195	41,090	1,366,043
2/28/38	3,540	7,634	10,271	114	11,916	437	1,224	19,377	31,859	38,748	45,653	1,359,301
3/31/38	18,331	16,527	25,315	1,997	30,825	1,139	1,892	15,372	46,502	76,021	96,449	1,439,415
4/30/38	37,869	82,522	101,542	5,194	100,503	9,851	8,323	163,636	262,440	273,042	271,691	1,501,933
5/31/38	33,221	153,176	159,997	6,830	148,511	9,725	7,697	307,438	451,295	458,320	454,162	1,402,815
6/30/38	76,925	250,503	253,158	17,339	258,290	7,026	6,845	212,159	461,954	459,384	454,836	1,461,886
7/31/38	26,643	94,520	96,715	7,135	82,046	1,357	2,588	15,372	90,062	117,292	131,411	1,450,185
8/31/38	28,667	27,047	27,984	7,976	14,553	1,029	2,692	31,279	37,893	38,491	41,298	1,399,229
9/30/38	42,142	35,752	37,655	2,462	31,857	80	1,956	14,876	42,889	80,410	101,940	1,462,608
10/31/38	25,881	31,604	34,684	1,098	33,562	505	1,408	15,372	46,884	44,043	44,289	1,508,389
11/30/38	16,049	17,142	20,293	126	22,964	311	1,164	14,876	38,287	36,162	37,091	1,527,830
12/31/38	11,783	11,663	14,201	126	16,731	341	740	16,996	35,388	39,450	43,240	1,533,334
1/31/39	1,975	9,844	12,316	1,634	15,919	450	950	18,059	35,364	39,536	43,351	1,527,338
2/28/39	2,903	7,713	10,098	114	11,573	513	1,219	20,183	32,371	33,950	36,793	1,516,792
3/31/39	15,583	18,081	25,930	2,050	31,186	1,470	1,633	15,372	46,831	50,802	55,105	1,585,224
4/30/39	14,671	44,571	52,570	2,642	45,709	2,898	1,856	14,876	58,325	54,780	53,206	1,667,581
5/31/39	16,901	118,703	112,870	11,916	98,336	4,070	1,963	144,784	236,554	230,287	226,192	1,625,137
6/30/39	25,698	79,791	76,213	12,567	63,904	3,316	2,937	178,017	233,443	242,788	249,649	1,452,909
7/31/39	30,161	25,203	25,111	10,697	13,586	1,630	2,357	31,047	37,366	50,529	60,481	1,372,820
8/31/39	22,304	15,411	15,518	7,318	4,604	726	2,379	40,912	37,788	36,522	37,568	1,294,004
9/30/39	9,664	32,930	33,154	2,116	24,038	883	2,033	14,876	34,124	53,744	65,994	1,289,388
10/31/39	4,886	14,952	16,161	699	12,725	390	1,357	25,142	36,011	32,702	32,763	1,269,552
11/30/39	1,490	11,354	13,304	119	14,520	186	1,051	20,127	35,021	32,759	33,819	1,263,590
12/31/39	3,275	8,910	10,738	126	12,252	240	610	22,240	36,098	34,795	35,884	1,250,495
1/31/40	1,479	7,753	9,626	126	10,895	317	829	23,086	35,324	41,015	45,636	1,238,002
2/29/40	3,454	7,116	9,145	118	10,228	545	1,295	21,789	32,626	41,115	48,499	1,231,211
3/31/40	15,658	12,953	18,650	207	20,215	1,572	1,871	15,455	35,771	34,056	35,096	1,259,396
4/30/40	10,284	39,707	46,536	912	38,835	4,940	3,788	14,876	51,979	50,930	49,516	1,295,393
5/31/40	16,353	123,827	115,828	13,893	109,951	4,030	1,668	15,372	120,850	114,556	110,124	1,350,042

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
6/30/40	24,861	68,643	64,656	12,400	52,439	3,865	2,953	14,876	58,900	72,401	77,991	1,313,424
7/31/40	28,755	19,034	16,641	2,428	-	2,524	2,621	43,194	35,941	57,379	71,481	1,223,726
8/31/40	19,974	11,971	10,734	1,605	-	968	2,583	47,444	39,666	45,943	53,254	1,138,030
9/30/40	8,304	24,286	25,589	1,694	16,061	121	2,140	19,863	31,240	66,569	86,434	1,108,829
10/31/40	7,606	30,279	32,950	1,174	31,863	366	1,395	15,372	44,873	70,007	84,474	1,129,918
11/30/40	3,214	14,129	16,757	122	18,719	345	1,221	15,224	34,059	41,172	47,026	1,133,124
12/31/40	3,276	9,988	12,317	126	14,347	551	1,012	17,294	33,057	57,891	72,305	1,132,226
1/31/41	2,336	8,974	11,518	126	13,398	562	1,248	18,477	33,065	57,235	71,301	1,129,607
2/28/41	4,230	10,357	13,652	114	15,920	805	1,764	13,884	30,223	65,744	86,955	1,158,053
3/31/41	22,861	16,593	24,888	2,701	30,703	2,047	2,586	307,438	338,156	368,690	391,210	973,848
4/30/41	46,428	34,016	45,318	5,415	45,883	6,332	7,987	297,521	342,692	384,721	403,043	929,987
5/31/41	111,775	281,066	298,585	10,031	301,312	28,066	26,562	307,438	605,141	746,229	790,961	1,312,925
6/30/41	116,689	290,793	310,397	24,024	329,224	35,132	35,562	222,723	543,177	586,835	581,679	1,516,767
7/31/41	65,062	166,117	178,237	12,561	176,171	14,124	19,137	102,226	270,705	298,711	302,849	1,558,452
8/31/41	36,417	48,786	53,446	5,069	44,211	690	9,439	75,138	113,134	148,432	163,072	1,513,594
9/30/41	52,551	51,901	60,507	5,414	58,237	5,495	14,159	63,654	117,553	151,942	162,733	1,518,731
10/31/41	77,848	110,473	126,408	15,939	163,476	5,847	8,880	69,008	232,318	387,143	458,472	1,701,300
11/30/41	33,218	44,065	53,085	5,392	68,512	2,304	2,767	92,486	161,181	183,526	193,888	1,701,300
12/31/41	18,730	21,590	26,700	1,924	34,474	1,399	1,994	61,879	97,883	109,933	116,090	1,683,646
1/31/42	3,301	14,372	18,295	10,569	32,580	1,135	1,978	15,372	49,233	57,203	61,648	1,693,385
2/28/42	3,962	11,476	15,104	114	17,871	1,268	2,263	14,233	32,614	39,145	42,965	1,701,299
3/31/42	15,438	15,145	23,143	3,716	29,850	2,461	2,728	230,579	260,652	280,847	291,376	1,535,013
4/30/42	44,072	76,911	94,447	8,281	96,752	7,563	6,287	252,893	348,148	400,541	420,646	1,643,948
5/31/42	29,183	158,082	163,005	10,093	154,328	7,821	4,985	307,438	456,877	460,085	455,803	1,512,245
6/30/42	61,824	229,862	229,487	24,975	238,117	3,488	2,795	211,240	440,786	434,638	430,275	1,514,123
7/31/42	25,676	89,302	89,431	8,299	74,877	2,967	2,717	15,372	82,769	88,439	92,839	1,481,970
8/31/42	21,795	32,367	31,338	8,297	18,088	1,282	2,538	32,875	42,935	34,425	32,281	1,413,883
9/30/42	17,037	17,941	18,134	4,605	9,979	607	1,943	31,216	35,571	32,494	33,143	1,369,008
10/31/42	17,833	13,562	14,684	911	12,003	472	1,392	26,533	36,768	32,943	32,796	1,358,942
11/30/42	13,298	11,052	13,093	123	14,813	322	1,160	19,693	34,942	32,762	33,451	1,362,133
12/31/42	11,046	9,215	11,269	126	13,311	362	770	20,172	35,162	41,569	46,417	1,361,397
1/31/43	1,772	8,383	10,624	126	12,471	423	1,015	21,263	35,134	41,293	46,060	1,351,648
2/28/43	9,517	8,125	10,745	114	12,519	697	1,559	18,767	31,915	35,302	39,540	1,353,155
3/31/43	18,201	14,440	21,893	3,487	27,897	1,910	2,347	15,372	43,568	44,795	47,472	1,395,906
4/30/43	29,863	82,342	98,199	4,853	92,456	8,308	5,450	14,876	103,922	112,094	110,082	1,517,996

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. line	La Plata R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Corners	San Juan R. at Four	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
5/31/43	12,684	127,208	127,858	4,244	112,849	7,478	4,709	112,562	220,739	225,755	222,966	222,966	1,468,667	
6/30/43	20,901	130,383	131,275	6,763	116,215	3,132	2,809	178,017	285,851	283,086	280,109	280,109	1,301,783	
7/31/43	27,602	53,511	56,080	6,670	39,554	2,329	2,673	15,372	47,644	54,631	60,692	60,692	1,253,883	
8/31/43	21,511	48,107	47,735	7,771	38,170	890	2,525	15,372	46,567	45,079	46,720	46,720	1,236,272	
9/30/43	14,475	26,041	26,801	4,265	18,753	662	1,997	21,275	34,752	39,255	43,908	43,908	1,202,169	
10/31/43	16,586	16,984	18,837	805	16,031	394	1,398	22,185	36,082	32,769	32,956	32,956	1,197,195	
11/30/43	13,000	14,951	17,836	126	20,250	481	1,307	14,876	35,413	36,854	39,726	39,726	1,208,038	
12/31/43	10,309	11,990	14,646	126	17,417	502	923	16,149	35,135	40,615	44,964	44,964	1,215,117	
1/31/44	1,685	10,134	12,710	126	15,041	533	1,169	19,109	35,462	37,366	39,787	39,787	1,205,884	
2/29/44	2,764	8,502	11,069	118	12,885	765	1,566	18,911	32,375	41,288	48,852	48,852	1,197,611	
3/31/44	14,877	12,654	18,984	4,103	25,307	1,251	1,843	15,372	40,992	43,860	48,608	48,608	1,225,113	
4/30/44	31,395	37,061	47,797	8,083	50,378	5,002	5,429	14,876	64,431	66,279	70,516	70,516	1,327,026	
5/31/44	37,934	220,124	228,061	12,599	225,179	12,662	9,362	184,463	405,115	420,066	416,265	416,265	1,391,746	
6/30/44	80,617	278,970	280,302	30,778	298,874	8,074	6,279	178,535	468,840	472,100	470,653	470,653	1,463,324	
7/31/44	29,115	119,195	117,855	10,372	107,947	2,430	2,649	15,372	115,922	150,422	167,520	167,520	1,482,850	
8/31/44	24,352	29,393	28,322	9,809	16,849	1,452	2,590	28,768	37,651	39,327	42,798	42,798	1,424,432	
9/30/44	21,330	13,945	14,478	3,468	6,215	530	1,930	33,962	34,946	37,740	41,496	41,496	1,375,299	
10/31/44	20,678	18,089	19,657	1,165	15,494	600	1,437	22,459	35,118	39,676	43,937	43,937	1,381,298	
11/30/44	15,295	13,194	15,579	123	17,492	408	1,246	16,555	34,374	36,859	40,159	40,159	1,392,717	
12/31/44	11,513	10,095	12,271	126	14,503	625	1,000	18,921	35,063	40,327	44,460	44,460	1,393,841	
1/31/45	1,885	8,810	11,026	126	12,940	475	960	20,977	35,284	40,379	44,630	44,630	1,384,151	
2/28/45	2,994	8,633	11,066	114	12,872	652	1,310	17,684	31,152	43,604	51,946	51,946	1,386,947	
3/31/45	12,833	12,045	17,663	1,334	20,942	1,114	1,562	15,372	36,682	38,093	40,832	40,832	1,412,205	
4/30/45	27,467	32,182	40,246	3,558	38,249	4,431	4,332	14,876	52,341	51,613	50,402	50,402	1,514,889	
5/31/45	21,012	157,281	158,682	3,886	141,700	8,385	4,719	74,876	211,058	214,383	209,967	209,967	1,604,470	
6/30/45	54,057	164,014	163,959	12,813	156,470	3,283	2,843	142,483	290,565	294,834	296,098	296,098	1,549,345	
7/31/45	31,225	71,264	71,918	10,289	59,352	2,974	2,695	15,372	67,408	79,313	87,540	87,540	1,511,023	
8/31/45	24,735	35,010	33,755	10,330	21,979	1,276	2,504	22,327	36,382	58,700	73,107	73,107	1,467,685	
9/30/45	14,012	14,283	14,835	4,240	7,751	484	1,887	37,078	39,737	32,637	31,240	31,240	1,401,549	
10/31/45	9,321	18,875	20,585	965	18,535	495	1,387	18,574	35,428	36,745	39,124	39,124	1,404,178	
11/30/45	11,185	13,757	16,205	123	18,360	271	1,100	15,766	34,607	35,670	38,277	38,277	1,409,311	
12/31/45	8,620	9,914	12,061	126	14,243	319	663	19,985	35,936	35,598	36,949	36,949	1,404,180	
1/31/46	1,539	9,775	12,071	126	14,233	356	821	20,011	35,667	38,145	41,022	41,022	1,394,677	
2/28/46	2,452	7,985	10,140	114	11,731	543	1,208	19,987	32,370	34,108	36,900	36,900	1,385,595	
3/31/46	9,923	10,437	15,248	2,142	17,559	1,158	1,366	18,683	36,198	34,023	34,441	34,441	1,391,065	

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Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
4/30/46	8,322	43,519	50,776	1,849	41,544	2,233	1,295	14,876	53,300	49,037	47,179	1,416,437
5/31/46	11,732	70,914	71,680	2,590	55,513	2,419	1,730	46,612	97,415	89,209	84,778	1,370,650
6/30/46	31,498	144,687	140,317	13,996	130,259	3,552	3,070	112,066	233,844	221,971	218,253	1,272,311
7/31/46	27,886	40,965	41,328	8,845	27,362	2,076	2,627	17,075	37,234	41,950	46,957	1,209,411
8/31/46	19,399	25,880	25,410	6,941	14,136	832	2,545	29,430	36,288	46,370	54,149	1,159,120
9/30/46	13,589	16,513	17,168	3,980	7,653	999	2,110	33,915	35,477	33,940	34,948	1,100,947
10/31/46	2,112	18,239	20,351	141	18,005	461	1,509	20,991	37,526	33,357	32,890	1,093,656
11/30/46	3,460	14,334	17,067	123	19,201	413	1,261	14,876	34,424	37,861	41,817	1,097,442
12/31/46	2,855	11,965	14,532	126	17,264	604	1,032	16,396	35,332	38,445	41,484	1,094,134
1/31/47	1,968	9,634	12,026	126	14,171	642	1,266	20,171	35,738	34,562	35,350	1,084,226
2/28/47	2,931	8,506	10,931	114	12,694	871	1,687	18,397	31,715	36,278	40,352	1,080,275
3/31/47	15,715	11,854	17,483	1,200	19,073	2,046	2,036	16,690	35,544	34,037	35,199	1,092,684
4/30/47	11,950	30,702	39,012	1,315	30,330	4,016	3,547	14,876	42,415	41,369	40,020	1,097,753
5/31/47	10,002	165,382	170,318	1,698	152,682	9,768	7,395	15,372	162,800	167,131	162,824	1,178,508
6/30/47	20,768	171,072	177,912	4,715	165,474	3,978	4,611	14,876	172,009	165,304	160,146	1,198,516
7/31/47	30,600	86,559	92,701	7,469	77,772	1,385	2,981	15,372	85,806	82,527	82,927	1,146,607
8/31/47	13,829	56,962	59,446	2,212	46,555	2,937	7,064	15,372	55,670	147,890	195,087	1,155,049
9/30/47	18,375	42,616	45,953	3,772	36,900	182	2,167	14,876	46,010	54,590	61,165	1,156,952
10/31/47	28,376	43,567	48,771	451	50,813	1,131	2,566	15,372	64,956	107,042	129,989	1,211,765
11/30/47	17,269	21,016	25,320	767	29,639	674	1,516	14,876	45,034	44,868	46,889	1,232,982
12/31/47	12,633	14,670	18,179	1,057	22,748	691	1,252	15,372	39,888	47,655	53,074	1,241,152
1/31/48	2,305	12,179	15,535	10,304	28,789	783	1,530	15,372	45,633	45,963	47,540	1,240,078
2/29/48	3,523	10,360	13,732	118	16,186	794	1,664	14,867	31,791	45,332	56,452	1,247,096
3/31/48	14,885	15,031	23,155	4,145	30,183	1,320	1,916	15,372	45,900	44,270	58,737	1,269,147
4/30/48	33,502	77,095	96,139	8,279	95,304	6,502	5,326	20,826	113,181	120,416	118,741	1,424,453
5/31/48	30,269	221,011	224,533	18,285	223,944	8,126	4,904	200,331	418,430	422,271	418,116	1,434,076
6/30/48	84,698	221,377	220,772	26,333	233,922	4,881	4,700	211,240	436,920	450,741	456,469	1,457,542
7/31/48	28,918	84,157	84,206	10,046	71,786	2,680	2,672	15,372	80,123	91,157	98,073	1,420,828
8/31/48	21,431	33,079	31,909	7,897	21,453	1,448	2,556	22,232	36,229	44,380	51,169	1,380,535
9/30/48	15,395	14,742	15,105	4,759	7,116	415	1,870	34,209	35,614	35,996	38,566	1,324,039
10/31/48	18,331	16,363	17,898	516	16,933	249	1,339	18,792	34,440	49,122	58,705	1,332,041
11/30/48	12,621	12,021	14,199	122	15,917	241	1,128	17,564	33,929	42,282	48,949	1,336,768
12/31/48	9,673	9,260	11,316	126	13,235	486	901	20,364	35,262	39,984	43,990	1,335,185
1/31/49	1,917	8,590	10,838	126	12,631	440	999	19,879	33,898	51,991	63,076	1,330,827
2/28/49	2,397	7,693	10,170	114	11,718	614	1,434	17,757	30,090	51,804	65,093	1,329,346

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line	La Plata R. at State	San Juan R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
3/31/49	15,737	12,493	19,231	3,494	24,484	1,477	2,042	15,372	40,084	63,463	78,112	1,378,420	
4/30/49	36,411	64,319	80,829	6,871	78,685	7,537	6,807	163,636	240,051	247,652	247,446	1,398,374	
5/31/49	43,175	178,996	188,007	11,575	183,705	11,830	11,238	271,736	451,357	464,376	460,807	1,345,402	
6/30/49	86,398	296,006	298,978	28,703	322,694	19,996	19,136	211,368	525,581	544,976	540,577	1,439,785	
7/31/49	41,220	128,778	128,079	9,651	118,274	4,090	5,055	15,372	126,584	145,257	151,763	1,499,624	
8/31/49	26,922	31,556	30,808	9,237	21,359	240	2,648	24,795	38,269	39,971	43,319	1,457,620	
9/30/49	24,387	15,571	16,143	3,857	5,576	712	2,036	36,329	35,845	33,413	34,363	1,407,676	
10/31/49	18,139	17,036	18,800	1,067	16,791	286	1,384	20,521	35,682	34,255	35,099	1,409,889	
11/30/49	13,053	14,017	16,695	123	18,399	597	1,338	16,179	34,757	32,783	33,479	1,419,473	
12/31/49	10,071	11,037	13,539	126	15,948	524	875	17,970	35,598	36,707	38,704	1,419,210	
1/31/50	1,963	10,461	13,112	126	15,457	440	977	18,620	35,478	38,457	41,503	1,413,243	
2/28/50	3,110	9,384	12,073	114	14,007	669	1,378	17,390	32,027	35,582	39,373	1,414,862	
3/31/50	14,322	13,457	19,704	1,954	22,989	1,256	1,582	15,372	38,334	36,329	37,701	1,432,350	
4/30/50	20,700	56,589	65,835	2,490	57,259	5,519	3,519	14,876	69,134	69,606	67,627	1,499,838	
5/31/50	15,670	87,395	85,628	7,082	71,446	3,366	1,736	46,612	112,429	103,383	98,362	1,483,564	
6/30/50	26,456	111,497	106,607	13,166	95,714	3,651	2,902	112,066	199,351	192,189	187,856	1,371,841	
7/31/50	27,461	40,859	39,491	9,636	25,698	2,955	2,595	19,566	37,875	46,255	53,396	1,308,579	
8/31/50	25,337	14,269	13,474	9,291	4,680	772	2,315	41,461	38,385	37,756	39,250	1,215,948	
9/30/50	7,221	13,753	13,817	1,390	4,829	419	1,868	35,227	35,186	37,275	40,614	1,159,944	
10/31/50	8,914	12,260	12,945	2,359	7,870	472	1,376	31,473	35,925	33,087	33,214	1,133,912	
11/30/50	1,403	9,806	11,480	123	11,967	194	982	22,919	35,122	32,852	33,539	1,117,144	
12/31/50	1,712	9,279	10,990	126	12,817	279	609	21,047	35,607	38,881	42,188	1,102,772	
1/31/51	1,426	7,669	9,236	126	10,613	265	687	23,610	35,675	39,236	42,781	1,085,858	
2/28/51	2,055	6,076	7,486	114	8,435	379	1,028	23,247	32,362	35,720	39,524	1,070,257	
3/31/51	11,583	8,092	11,286	129	11,639	855	1,250	24,516	36,336	34,057	35,793	1,068,410	
4/30/51	10,253	16,517	19,652	762	11,942	2,431	2,234	26,185	35,871	32,573	31,294	1,056,420	
5/31/51	14,502	75,633	74,110	6,644	59,464	3,928	1,815	15,372	69,124	62,125	57,896	1,073,415	
6/30/51	24,397	103,491	98,883	12,320	87,506	3,586	2,874	14,876	94,145	99,339	102,187	1,065,547	
7/31/51	29,965	32,354	29,251	2,945	8,107	3,393	2,788	37,140	38,054	58,168	72,195	958,460	
8/31/51	15,975	21,969	19,018	1,990	2,770	1,405	2,517	40,821	37,156	45,841	52,093	883,054	
9/30/51	6,085	11,301	10,089	196	-	619	1,940	39,642	33,961	51,421	62,508	806,602	
10/31/51	4,281	11,296	12,197	616	9,778	413	1,375	26,997	34,917	37,625	40,807	777,590	
11/30/51	1,988	9,220	10,990	123	12,470	321	1,171	21,361	34,224	39,395	44,186	765,592	
12/31/51	2,367	8,503	10,501	126	12,405	450	884	21,800	35,828	35,314	36,493	761,457	
1/31/52	2,093	9,162	11,639	126	13,759	565	1,218	17,657	32,771	59,472	74,823	770,548	

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
2/29/52	2,775	9,379	12,282	118	14,440	894	1,803	17,912	32,974	34,437	36,950	767,830
3/31/52	13,609	10,442	16,426	1,558	19,715	1,826	2,450	15,372	35,358	34,859	37,386	812,368
4/30/52	41,293	77,308	97,408	4,840	96,798	12,614	10,098	14,876	110,187	130,518	129,479	1,069,485
5/31/52	31,003	211,777	221,072	4,829	207,775	15,705	10,072	74,876	277,308	299,066	294,873	1,245,886
6/30/52	93,157	308,840	310,070	19,029	320,459	15,659	11,470	140,331	452,329	458,834	454,050	1,415,640
7/31/52	32,688	106,160	107,149	7,948	94,575	2,721	2,599	15,372	102,634	116,180	121,956	1,405,649
8/31/52	27,014	36,912	36,112	8,083	22,553	1,741	2,663	24,989	39,561	36,039	36,395	1,368,094
9/30/52	25,205	21,545	21,863	4,430	13,391	632	1,976	27,236	35,239	38,458	42,456	1,337,545
10/31/52	17,490	15,376	16,363	1,866	12,173	459	1,394	26,325	35,561	33,549	34,195	1,319,204
11/30/52	12,473	10,756	12,734	123	14,166	308	1,176	19,854	34,446	36,623	39,822	1,318,969
12/31/52	11,488	9,371	11,405	126	13,297	541	956	20,170	35,141	39,861	43,763	1,321,326
1/31/53	1,891	9,214	11,440	126	13,326	572	1,150	20,279	35,001	41,014	45,576	1,315,565
2/28/53	3,251	8,355	10,622	114	12,196	697	1,435	19,491	32,313	32,756	34,957	1,308,145
3/31/53	13,460	13,017	18,530	1,473	21,208	1,400	1,717	15,372	36,634	34,765	35,823	1,328,033
4/30/53	21,279	32,836	38,806	3,148	34,459	4,947	4,101	14,876	48,063	49,308	48,199	1,371,645
5/31/53	12,412	73,685	73,675	4,276	58,705	4,554	2,769	15,372	69,463	64,831	60,820	1,382,393
6/30/53	28,106	141,920	134,972	16,167	127,133	3,893	2,989	14,876	133,543	136,580	137,127	1,398,325
7/31/53	23,181	35,666	35,114	8,368	19,342	2,680	2,732	24,256	36,220	56,616	69,829	1,316,680
8/31/53	21,886	21,611	20,390	7,990	9,768	1,456	2,615	32,375	34,389	54,996	67,891	1,248,860
9/30/53	18,422	10,714	10,684	6,436	4,871	544	1,937	37,104	35,525	34,455	35,500	1,178,624
10/31/53	2,159	11,655	12,939	123	10,721	268	1,400	24,677	34,737	42,040	47,541	1,156,339
11/30/53	2,168	13,028	15,071	123	16,630	490	1,296	16,949	33,951	40,047	45,074	1,157,436
12/31/53	1,733	8,652	10,308	126	12,133	565	993	21,453	35,310	38,233	41,294	1,147,280
1/31/54	1,359	7,040	8,634	126	9,997	494	1,082	23,889	35,322	38,969	42,381	1,133,054
2/28/54	2,896	6,410	8,093	114	9,283	686	1,395	22,574	32,521	31,410	34,466	1,126,956
3/31/54	10,532	8,199	12,046	133	12,620	1,244	1,533	23,192	36,063	34,063	35,870	1,134,154
4/30/54	12,057	40,669	47,627	2,384	38,024	2,906	1,645	14,876	49,407	46,172	44,172	1,175,796
5/31/54	15,084	98,099	95,145	8,022	81,487	3,417	1,824	15,372	91,207	82,832	78,238	1,231,681
6/30/54	24,223	72,489	72,106	8,604	56,587	2,419	2,959	14,876	63,108	68,794	72,427	1,201,940
7/31/54	24,316	47,845	46,810	4,400	30,510	1,004	2,457	15,372	38,655	67,793	85,493	1,177,066
8/31/54	21,558	21,091	19,439	2,157	2,662	711	2,626	42,027	36,994	43,968	49,066	1,120,315
9/30/54	11,596	20,547	21,104	1,667	10,559	653	2,105	28,119	33,432	50,532	61,304	1,093,457
10/31/54	9,395	28,862	31,163	1,563	29,164	521	1,427	15,372	41,992	71,367	88,161	1,076,637
11/30/54	1,769	13,449	15,941	143	17,128	314	1,084	17,369	34,681	35,996	38,507	1,062,115
12/31/54	1,664	11,609	14,015	126	16,545	376	748	17,593	35,831	35,981	37,749	1,054,886

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
1/31/55	1,308	9,668	11,900	126	13,938	448	918	20,554	35,903	35,512	36,878	1,043,953
2/28/55	1,984	7,880	9,949	114	11,417	501	1,145	20,357	32,413	34,410	37,507	1,033,539
3/31/55	14,870	11,639	16,531	273	18,118	1,017	1,358	16,730	35,060	40,571	45,628	1,046,208
4/30/55	10,835	26,062	31,271	282	24,120	3,095	2,701	14,876	37,699	34,049	32,734	1,056,758
5/31/55	6,975	93,413	92,392	2,861	76,705	4,165	2,638	15,372	87,884	81,474	77,538	1,090,704
6/30/55	25,942	123,174	118,213	13,739	109,261	2,854	2,919	14,876	115,737	108,282	103,132	1,108,510
7/31/55	21,333	33,920	34,040	6,784	17,976	1,822	2,678	25,490	36,155	50,353	59,611	1,029,379
8/31/55	21,719	27,819	25,504	3,945	9,581	401	2,524	32,507	34,375	68,843	88,712	1,004,202
9/30/55	15,993	13,652	12,339	1,496	1,055	662	1,940	44,652	39,120	32,940	31,240	937,592
10/31/55	8,570	11,396	11,878	762	6,004	344	1,347	35,603	38,874	33,717	32,662	898,732
11/30/55	1,631	9,839	11,727	123	12,473	194	1,056	22,071	34,996	32,774	33,823	884,743
12/31/55	2,079	9,631	11,754	126	13,488	439	872	20,367	35,616	36,499	38,602	876,926
1/31/56	2,018	9,278	11,592	126	13,333	588	1,200	20,404	35,203	38,824	42,155	870,263
2/29/56	2,888	8,536	10,971	118	12,441	915	1,768	19,919	33,092	33,190	34,788	862,945
3/31/56	14,853	15,700	22,286	277	24,296	3,454	2,659	15,372	39,763	39,201	40,011	891,950
4/30/56	14,717	32,891	38,973	1,030	30,189	3,975	2,720	14,876	43,156	44,643	42,925	927,294
5/31/56	16,848	118,586	112,869	12,638	102,246	4,745	1,863	15,372	111,806	104,965	99,919	987,724
6/30/56	29,102	106,365	98,217	9,897	82,160	4,591	3,082	14,876	88,676	104,852	112,455	993,203
7/31/56	29,538	22,934	19,364	2,658	2,049	1,831	2,286	42,546	37,368	53,596	65,025	903,728
8/31/56	19,827	13,913	10,932	1,718	-	882	2,248	47,611	40,028	49,628	57,953	808,644
9/30/56	1,643	7,632	5,834	164	-	295	1,776	44,896	38,354	36,879	39,133	721,180
10/31/56	3,135	9,125	9,777	198	4,725	249	1,307	36,722	39,011	33,671	32,702	682,862
11/30/56	1,717	9,873	11,646	122	13,085	131	998	21,649	35,078	34,186	35,991	669,386
12/31/56	1,536	7,986	9,795	126	11,455	208	563	23,068	36,109	36,167	37,964	652,797
1/31/57	1,519	8,710	10,944	126	12,806	328	815	21,468	35,599	39,699	43,523	642,932
2/28/57	2,668	8,928	11,474	114	13,345	549	1,299	17,681	31,580	40,859	47,715	652,756
3/31/57	14,909	11,394	16,955	194	18,567	1,379	1,892	16,940	35,744	34,088	35,149	680,462
4/30/57	24,482	36,261	45,685	1,045	40,561	6,738	6,830	14,876	54,309	57,714	57,135	770,439
5/31/57	29,684	95,513	105,769	2,306	92,719	15,162	15,476	46,612	136,040	156,689	152,728	897,555
6/30/57	118,933	318,754	339,297	8,395	343,695	30,451	30,605	127,341	462,461	500,650	495,443	1,226,185
7/31/57	72,435	188,701	199,771	17,760	207,967	17,085	21,200	29,063	229,665	251,243	248,234	1,394,117
8/31/57	58,264	77,142	78,498	7,902	70,098	3,398	7,797	15,372	78,695	153,924	190,701	1,479,400
9/30/57	34,276	36,292	38,044	4,230	28,462	393	2,166	14,876	37,194	65,375	80,177	1,482,906
10/31/57	28,578	21,039	24,613	130	25,052	654	2,248	15,372	39,854	68,102	84,148	1,524,945
11/30/57	24,862	25,364	30,864	2,031	37,794	746	1,650	14,876	53,014	71,670	83,408	1,572,118

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	AFM	Animas R. at Durango	AFM	Animas R. Above Florida	AFM	Florida R. at Animas	AFM	Animas R. at San Juan	AFM	La Plata R. at State line	AFM	La Plata R. at San Juan	AFM	San Juan R. at Archuleta	AFM	San Juan R. at Farmington	AFM	San Juan R. at Four Corners	AFM	San Juan R. at Bluff	AFM	Navajo Reservoir Content
12/31/57	15,897	18,145	22,573	1,500	28,808	834	1,472	15,372	45,778	52,273	57,202	1,595,203											
1/31/58	2,455	14,508	18,473	10,587	32,872	770	1,611	15,372	49,579	50,569	53,272	1,596,843											
2/28/58	4,422	11,617	15,282	114	18,138	1,001	1,975	13,884	32,586	57,238	76,574	1,629,504											
3/31/58	17,487	15,353	23,412	4,159	30,714	1,922	2,418	138,347	169,393	196,381	219,731	1,565,317											
4/30/58	29,603	63,993	80,395	8,873	82,189	8,519	7,194	193,388	273,842	307,239	316,096	1,605,876											
5/31/58	20,073	270,993	268,292	22,839	272,509	10,918	5,310	307,438	573,706	584,628	580,042	1,599,331											
6/30/58	42,726	214,758	206,604	21,609	208,890	4,633	2,928	213,521	413,740	438,350	450,140	1,565,110											
7/31/58	30,581	45,892	45,833	11,124	33,301	2,474	2,713	15,372	41,299	62,445	75,829	1,506,881											
8/31/58	22,515	20,251	20,078	7,886	7,175	978	2,650	38,558	37,884	41,396	45,015	1,431,843											
9/30/58	12,532	21,540	22,279	3,047	13,664	539	2,019	27,090	35,230	36,808	39,741	1,397,337											
10/31/58	7,659	17,214	18,907	985	15,874	487	1,404	22,153	36,197	34,399	35,353	1,383,606											
11/30/58	12,968	13,960	16,606	123	18,175	319	1,121	16,198	34,695	34,920	37,197	1,391,651											
12/31/58	10,106	12,150	14,679	126	17,202	374	739	17,013	35,847	35,776	37,314	1,393,348											
1/31/59	1,381	10,070	12,383	126	14,407	343	781	20,250	36,021	35,572	37,121	1,380,750											
2/28/59	2,669	8,915	11,077	114	12,646	453	1,042	19,685	32,923	30,921	32,068	1,372,687											
3/31/59	12,128	11,357	15,808	1,848	18,257	842	1,105	18,223	36,500	34,053	35,063	1,374,438											
4/30/59	10,916	21,920	25,631	1,036	18,609	2,533	2,026	19,801	36,465	32,796	31,369	1,371,194											
5/31/59	17,857	72,344	69,974	8,457	56,632	4,108	1,824	15,372	66,094	59,642	55,446	1,370,407											
6/30/59	28,687	95,653	89,855	15,922	80,186	4,364	3,089	14,876	86,507	93,906	100,282	1,363,091											
7/31/59	31,025	20,388	18,968	7,052	5,129	2,968	2,670	39,546	37,322	58,669	73,078	1,266,672											
8/31/59	13,806	22,402	20,578	1,648	3,694	1,373	2,579	38,758	36,114	53,590	64,336	1,198,085											
9/30/59	6,269	10,886	10,441	214	-	696	2,028	42,579	36,898	32,043	31,240	1,121,499											
10/31/59	3,352	19,952	22,368	129	21,198	554	1,955	15,372	35,379	37,065	39,368	1,141,201											
11/30/59	6,271	16,015	18,970	126	21,253	707	1,528	14,876	36,538	45,953	52,880	1,156,691											
12/31/59	2,772	10,626	13,065	126	15,277	725	1,268	17,962	34,936	39,050	42,475	1,155,475											
1/31/60	2,116	9,016	11,550	126	13,443	737	1,526	20,209	35,067	37,401	39,929	1,147,140											
2/29/60	3,851	9,093	12,164	118	14,083	845	1,909	17,880	32,644	35,910	40,858	1,141,848											
3/31/60	28,376	20,153	30,082	571	33,871	3,237	3,141	15,372	49,087	71,098	85,790	1,291,111											
4/30/60	36,041	80,842	95,895	1,083	87,850	8,114	5,973	14,876	99,697	112,444	110,762	1,453,861											
5/31/60	15,566	122,722	123,113	4,347	107,300	4,706	2,610	74,876	176,968	174,248	170,295	1,478,349											
6/30/60	35,405	173,596	167,247	15,175	160,509	4,392	2,989	140,331	292,365	287,591	284,035	1,459,227											
7/31/60	30,323	50,259	49,208	11,783	36,818	2,906	2,677	15,372	44,942	65,473	79,421	1,413,966											
8/31/60	28,976	16,910	16,226	7,219	3,731	965	2,389	42,961	38,863	43,180	47,547	1,328,793											
9/30/60	16,478	14,081	13,241	1,522	667	452	1,902	42,066	36,059	34,091	34,790	1,261,453											
10/31/60	765	16,955	18,892	123	18,020	355	1,613	17,994	35,139	38,604	42,172	1,253,672											

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
11/30/60	1,478	13,190	15,692	123	17,318	508	1,288	17,369	34,777	33,319	34,797	1,250,349
12/31/60	7,675	11,526	13,966	126	16,465	466	903	17,442	35,474	37,728	40,525	1,250,913
1/31/61	1,444	9,757	12,071	126	14,145	492	1,105	19,737	35,191	39,951	43,953	1,240,187
2/28/61	2,576	7,329	9,451	114	10,812	634	1,466	20,601	31,951	35,650	41,292	1,232,594
3/31/61	11,107	11,739	17,285	201	19,105	1,754	2,045	16,182	35,479	34,090	39,501	1,257,110
4/30/61	13,464	41,178	49,879	872	42,521	5,992	4,648	14,876	55,320	59,105	57,602	1,331,501
5/31/61	17,939	146,747	143,488	9,848	131,318	4,801	1,833	15,372	140,682	137,116	132,542	1,442,688
6/30/61	24,919	121,455	117,848	12,829	106,552	3,444	3,049	14,876	112,889	119,222	122,064	1,449,888
7/31/61	28,673	28,852	30,052	7,383	14,567	1,564	2,634	30,673	37,787	48,668	57,414	1,369,213
8/31/61	20,577	27,338	26,908	2,392	13,073	93	2,800	30,551	36,870	50,607	60,241	1,341,971
9/30/61	7,929	31,288	33,137	1,888	24,843	124	2,264	14,876	35,007	37,040	39,674	1,326,453
10/31/61	5,685	28,606	32,259	214	31,645	706	2,022	15,372	45,474	42,920	42,662	1,338,985
11/30/61	18,301	19,680	23,571	185	27,056	567	1,473	14,876	42,347	44,011	46,960	1,363,643
12/31/61	13,222	13,045	16,139	126	19,277	695	1,248	15,372	36,319	35,936	38,180	1,369,512
1/31/62	2,920	10,272	13,275	126	15,764	723	1,458	18,313	35,470	34,569	35,636	1,362,343
2/28/62	4,630	13,169	17,190	114	20,496	992	1,816	13,884	35,002	49,960	60,174	1,384,925
3/31/62	15,221	14,799	22,531	371	25,604	1,444	1,882	15,372	41,112	39,430	43,862	1,410,989
4/30/62	31,663	83,064	99,620	2,071	92,818	4,963	3,161	20,826	110,404	112,811	110,977	1,560,033
5/31/62	15,310	140,982	142,225	3,671	125,955	3,392	1,726	200,331	320,891	314,022	309,665	1,468,865
6/30/62	31,916	157,857	157,358	9,546	145,223	3,760	3,003	211,240	348,036	340,289	335,269	1,326,653
7/31/62	31,768	76,105	75,644	11,391	63,779	3,341	2,718	15,372	71,858	73,504	77,122	1,304,220
8/31/62	27,934	23,894	23,306	10,362	12,427	810	2,344	34,832	39,405	35,612	35,834	1,223,073
9/30/62	12,047	16,093	16,876	3,016	7,931	416	1,902	32,823	35,431	34,774	36,659	1,168,940
10/31/62	4,053	19,458	21,836	133	21,353	494	1,723	15,372	34,390	72,691	94,210	1,180,490
11/30/62	13,879	15,685	18,648	129	20,715	461	1,288	14,876	34,540	36,541	39,347	1,196,437
12/31/62	10,750	11,790	14,382	126	17,035	550	1,016	17,801	35,515	36,288	38,107	1,201,299
1/31/63	1,599	9,495	11,976	126	14,071	535	1,183	21,025	35,696	34,975	36,173	1,191,021
2/28/63	4,854	9,737	12,546	114	14,627	876	1,739	17,002	31,458	37,367	42,322	1,205,278
3/31/63	14,659	17,301	24,585	356	27,534	2,574	2,357	15,372	42,308	41,117	42,325	1,251,114
4/30/63	9,108	39,461	46,086	978	37,713	4,237	2,829	14,876	50,308	51,794	50,163	1,311,703
5/31/63	18,515	114,018	106,916	14,200	97,133	3,985	1,868	15,372	107,877	101,187	96,676	1,372,220
6/30/63	25,921	54,822	53,220	10,624	39,925	3,139	2,940	14,876	47,621	50,054	52,422	1,327,413
7/31/63	28,302	24,865	23,458	2,598	3,945	2,398	2,745	40,703	38,314	44,854	51,274	1,224,797
8/31/63	15,482	26,749	25,881	2,400	10,115	623	2,655	31,483	35,897	44,250	50,303	1,163,488
9/30/63	8,799	26,856	25,753	2,292	14,150	1,165	2,163	24,319	33,329	54,750	67,471	1,138,056

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
10/31/63	6,081	15,629	16,660	1,113	12,571	364	1,354	26,535	36,330	35,693	37,171	1,114,890
11/30/63	1,801	11,304	13,200	131	14,108	221	992	21,728	34,750	36,451	39,230	1,098,734
12/31/63	1,348	9,273	11,060	126	12,871	252	540	22,035	35,540	40,104	44,183	1,077,410
1/31/64	1,210	7,977	9,687	123	11,140	231	593	23,693	35,398	42,395	47,744	1,056,305
2/29/64	1,873	6,986	8,613	118	9,759	336	903	24,208	33,799	34,654	37,059	1,037,194
3/31/64	4,063	7,756	11,007	129	11,816	655	1,109	24,560	35,940	35,111	36,749	1,026,689
4/30/64	4,854	18,898	22,931	283	17,618	2,355	2,461	19,980	35,859	32,582	31,743	1,043,360
5/31/64	16,693	118,648	113,567	11,132	102,349	4,021	1,819	15,372	113,338	106,835	102,994	1,117,386
6/30/64	26,110	83,974	80,731	8,582	65,025	2,657	2,984	14,876	72,658	62,607	57,508	1,088,902
7/31/64	29,668	27,872	25,730	2,682	5,741	1,878	2,800	38,278	37,942	48,556	56,795	1,000,502
8/31/64	15,209	28,262	26,352	2,535	10,973	437	2,559	28,869	34,096	71,051	92,300	969,645
9/30/64	10,972	15,015	14,307	1,076	4,860	646	1,930	33,319	33,680	43,288	50,008	926,144
10/31/64	8,126	11,603	12,128	755	6,631	334	1,332	32,395	35,960	35,790	37,490	894,501
11/30/64	2,118	10,075	12,028	122	13,274	122	978	22,592	34,869	36,348	39,373	880,475
12/31/64	2,113	9,647	11,820	126	13,829	198	616	20,915	35,387	41,754	46,751	870,541
1/31/65	2,009	9,276	11,675	126	13,658	335	985	20,791	35,018	43,130	49,250	867,941
2/28/65	3,792	8,058	10,582	114	12,201	851	1,856	19,706	31,706	35,186	42,419	867,647
3/31/65	10,965	11,610	17,877	247	19,926	1,994	2,593	15,617	35,056	34,058	44,290	890,836
4/30/65	31,792	60,653	76,386	1,445	71,598	8,055	8,138	14,876	84,744	93,368	94,171	1,082,041
5/31/65	30,079	153,719	164,474	2,670	150,503	14,730	14,473	74,876	221,886	241,578	237,526	1,206,775
6/30/65	90,818	238,199	255,428	7,356	254,111	23,030	24,023	146,360	393,775	419,471	415,168	1,343,150
7/31/65	54,837	169,192	180,633	13,101	182,121	13,902	17,185	15,372	191,892	201,183	196,931	1,458,888
8/31/65	32,266	64,911	67,931	5,206	55,077	404	5,619	15,372	64,044	72,420	75,065	1,446,866
9/30/65	44,981	50,601	54,755	4,929	50,418	219	3,217	14,876	61,031	61,745	62,440	1,473,683
10/31/65	29,756	39,572	44,867	3,577	49,130	268	1,647	15,372	62,101	61,918	63,360	1,504,140
11/30/65	20,622	21,345	26,043	2,229	31,681	899	1,671	14,876	45,560	54,053	60,344	1,524,043
12/31/65	16,322	16,907	21,100	1,351	26,749	1,061	1,587	15,372	42,779	59,479	69,170	1,546,564
1/31/66	3,480	14,321	18,307	10,573	32,613	867	1,694	15,372	48,568	50,108	51,502	1,547,602
2/28/66	4,227	12,127	15,985	114	18,975	1,059	2,057	13,884	32,672	40,113	45,288	1,549,208
3/31/66	21,167	23,521	34,041	2,635	40,479	2,852	2,630	15,372	55,132	82,415	97,087	1,680,885
4/30/66	22,746	50,837	61,175	3,668	55,023	5,257	3,672	113,340	166,183	175,345	175,359	1,701,300
5/31/66	17,389	148,360	143,855	10,492	131,855	4,631	1,837	200,331	327,739	322,483	318,004	1,666,458
6/30/66	27,583	106,980	103,907	12,213	92,058	3,843	2,981	211,240	296,405	306,647	310,989	1,497,750
7/31/66	30,035	43,298	42,675	11,890	30,268	1,858	2,386	15,372	39,237	49,162	57,581	1,445,682
8/31/66	21,074	22,496	21,524	7,370	9,407	874	2,365	34,062	37,125	47,216	54,237	1,378,104

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam AFM	Animas R. at Durango AFM	Animas R. Above Florida AFM	Florida R. at Animas AFM	Animas R. at San Juan AFM	La Plata line AFM	La Plata R. at State AFM	La Plata R. at San Juan AFM	San Juan R. at Archuleta AFM	San Juan R. at Farmington AFM	San Juan R. at Four Corners AFM	San Juan R. at Bluff AFM	Navajo Reservoir Content AF
9/30/66	16,392	13,283	13,385	5,314	6,969	517	1,882	32,535	34,741	43,056	49,657	1,324,004	
10/31/66	7,035	12,561	13,458	1,499	9,863	267	1,325	31,254	38,275	33,505	32,783	1,289,828	
11/30/66	5,297	10,684	12,692	123	13,332	137	979	22,578	34,832	35,959	39,868	1,276,987	
12/31/66	14,126	11,093	13,311	126	15,807	269	746	17,665	34,145	50,096	62,273	1,296,852	
1/31/67	1,902	8,282	10,253	126	11,999	329	943	23,403	35,997	34,563	63,643	1,280,461	
2/28/67	2,995	7,969	10,068	114	11,666	787	1,620	20,871	32,362	30,925	38,560	1,275,861	
3/31/67	12,382	13,253	18,511	169	18,084	1,987	1,808	18,733	35,836	34,037	37,069	1,303,945	
4/30/67	10,492	21,655	25,882	886	17,705	2,615	2,389	21,074	36,281	32,643	31,240	1,301,806	
5/31/67	13,696	98,109	95,196	8,190	83,240	3,308	1,767	15,372	94,712	87,161	83,001	1,329,387	
6/30/67	20,427	82,091	80,616	7,762	67,374	1,657	2,692	14,876	75,575	72,526	70,025	1,336,310	
7/31/67	27,694	37,936	38,422	8,439	23,590	1,171	2,575	21,087	38,664	42,476	47,062	1,274,052	
8/31/67	16,437	29,431	27,976	3,281	13,199	665	2,631	25,830	32,904	79,049	105,254	1,256,583	
9/30/67	29,366	18,479	17,301	1,531	5,803	949	2,107	32,754	33,813	50,272	60,609	1,241,433	
10/31/67	15,550	11,837	12,292	791	7,552	455	1,380	31,182	35,859	32,780	32,850	1,219,771	
11/30/67	11,481	9,231	10,978	123	11,713	171	1,016	24,338	34,974	34,187	35,672	1,210,286	
12/31/67	9,816	8,963	10,947	126	12,812	278	740	22,364	35,828	36,337	38,262	1,201,057	
1/31/68	1,968	8,534	10,746	126	12,532	466	1,127	22,628	35,739	35,372	38,032	1,186,586	
2/29/68	2,920	8,512	11,048	118	12,797	838	1,741	19,782	32,424	39,373	47,368	1,180,495	
3/31/68	12,460	15,653	22,653	420	25,601	2,547	2,579	15,372	40,419	39,468	41,510	1,196,340	
4/30/68	17,642	30,937	38,653	394	32,791	5,757	5,286	14,876	46,107	50,062	49,090	1,229,352	
5/31/68	15,799	134,148	137,596	2,718	121,301	10,843	7,762	46,612	163,973	173,256	169,248	1,271,470	
6/30/68	34,763	226,755	222,850	13,663	218,668	9,260	6,040	112,066	323,383	319,322	314,191	1,312,255	
7/31/68	23,748	58,499	59,874	6,511	44,225	1,895	2,519	15,372	53,394	59,474	62,067	1,272,345	
8/31/68	40,366	45,834	43,576	8,417	33,411	1,375	2,591	15,372	42,306	111,022	148,751	1,334,853	
9/30/68	23,350	13,482	13,612	5,455	7,360	597	1,924	38,671	40,836	33,121	31,240	1,279,029	
10/31/68	17,013	12,990	14,068	1,021	10,847	299	1,343	27,084	35,180	40,522	45,261	1,262,607	
11/30/68	12,988	10,906	12,992	122	14,673	223	1,103	20,769	34,486	38,159	42,286	1,260,968	
12/31/68	9,949	9,976	12,191	126	14,438	337	771	20,669	35,748	37,182	39,647	1,252,521	
1/31/69	1,631	9,147	11,499	126	13,560	433	1,037	19,920	34,050	50,556	60,919	1,251,778	
2/28/69	2,697	7,971	10,455	114	12,167	696	1,515	20,359	32,323	32,678	36,851	1,245,306	
3/31/69	11,306	11,935	18,255	497	20,813	1,349	1,950	15,372	35,697	45,843	56,970	1,275,661	
4/30/69	24,549	64,458	79,302	1,632	71,775	7,872	6,055	14,876	84,130	95,713	96,828	1,417,207	
5/31/69	15,052	180,323	182,035	3,898	167,090	9,184	5,710	74,876	237,855	244,422	240,435	1,507,486	
6/30/69	52,559	136,348	141,324	3,947	127,769	7,539	8,493	148,083	268,799	266,628	261,777	1,477,898	
7/31/69	31,994	98,678	101,786	6,331	87,281	1,838	3,435	21,209	101,887	114,244	119,184	1,483,452	

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Anímas R. at Durango	Anímas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State	La Plata R. at San Juan	line AFM	Archuleta AFM	Farmington AFM	Corners AFM	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content AF
8/31/69	29,676	31,258	32,724	7,879	20,213	246	3,232	23,573	37,749	46,730	52,973	1,462,767		
9/30/69	40,245	30,543	33,068	2,285	25,455	126	3,120	14,876	36,349	41,353	45,464	1,495,340		
10/31/69	33,041	42,008	45,924	144	58,093	1,048	4,081	15,372	70,890	116,651	130,731	1,560,547		
11/30/69	20,605	23,580	25,042	123	26,496	611	1,521	15,718	36,960	32,712	44,524	1,593,890		
12/31/69	14,103	15,547	16,975	126	22,335	638	1,242	25,631	43,018	34,532	39,454	1,606,073		
1/31/70	3,251	10,052	12,179	5,257	20,694	691	1,169	15,372	47,514	39,604	39,338	1,606,371		
2/28/70	2,389	8,545	9,988	114	10,290	661	1,030	20,193	39,267	30,884	33,109	1,606,926		
3/31/70	11,060	10,125	13,176	3,543	16,188	476	696	15,372	36,998	40,727	38,988	1,622,872		
4/30/70	16,852	19,234	23,271	5,454	22,476	946	1,092	21,133	40,859	66,682	44,534	1,636,234		
5/31/70	16,728	159,950	157,698	8,374	132,931	4,327	1,801	200,331	339,918	326,386	317,043	1,526,452		
6/30/70	20,733	126,589	123,896	9,187	104,780	2,701	2,799	211,542	322,361	345,295	323,666	1,348,446		
7/31/70	29,632	56,938	55,071	12,075	47,937	1,502	2,698	15,372	61,266	72,609	64,413	1,290,957		
8/31/70	25,491	30,228	29,804	9,043	18,922	958	2,759	30,303	47,936	59,194	55,476	1,232,962		
9/30/70	47,947	100,885	106,130	150	102,656	3,155	6,043	14,876	124,986	188,207	219,636	1,352,518		
10/31/70	25,366	25,723	29,304	370	27,715	689	1,361	15,607	37,076	33,081	34,305	1,385,964		
11/30/70	15,855	16,801	18,749	123	20,597	437	1,617	14,876	32,104	33,232	41,297	1,408,550		
12/31/70	11,827	12,467	14,359	126	17,297	517	861	16,007	41,901	37,075	42,194	1,420,944		
1/31/71	1,285	12,105	13,893	126	16,232	805	1,245	20,874	34,785	35,882	38,602	1,423,332		
2/28/71	3,071	12,086	13,097	114	15,562	1,050	1,656	19,498	33,987	30,884	38,293	1,434,980		
3/31/71	9,190	18,003	18,123	1,043	20,104	1,116	1,365	15,372	42,352	41,788	45,119	1,466,337		
4/30/71	11,986	51,003	48,487	3,204	41,902	2,055	1,167	14,876	50,955	65,380	52,968	1,504,980		
5/31/71	10,935	83,703	80,355	6,725	74,226	3,063	1,691	74,876	139,654	147,185	131,208	1,460,076		
6/30/71	27,223	138,755	139,191	9,278	137,423	3,162	2,864	140,331	266,107	277,998	255,690	1,337,636		
7/31/71	29,024	56,321	55,344	11,633	55,067	1,812	2,759	15,372	62,071	76,882	68,396	1,266,624		
8/31/71	20,238	24,839	23,054	5,198	16,609	127	2,963	15,372	35,017	82,024	77,905	1,221,827		
9/30/71	8,506	18,201	17,008	894	6,675	611	2,012	32,475	36,825	45,356	44,093	1,172,737		
10/31/71	4,073	22,519	23,272	157	20,960	327	1,485	15,372	43,385	72,028	80,413	1,186,667		
11/30/71	7,232	18,068	20,465	129	19,582	392	1,087	14,876	33,903	38,684	49,674	1,193,497		
12/31/71	16,122	14,132	15,812	126	18,156	597	950	15,372	34,059	44,585	55,134	1,215,744		
1/31/72	2,012	11,145	12,343	126	15,597	512	1,224	16,674	40,921	34,532	39,169	1,221,610		
2/29/72	3,008	9,951	11,313	118	14,000	829	1,602	19,064	41,779	32,007	38,666	1,229,641		
3/31/72	11,029	28,580	31,624	140	27,127	1,329	769	19,367	50,829	34,023	39,718	1,269,716		
4/30/72	9,386	39,845	42,295	1,501	27,265	1,216	1,189	22,213	42,798	47,779	31,972	1,290,772		
5/31/72	15,792	98,288	90,625	13,008	91,732	2,538	1,763	15,372	89,809	85,964	74,196	1,311,862		
6/30/72	26,529	98,818	95,659	11,490	98,004	1,956	2,868	14,876	99,497	127,922	106,257	1,298,438		

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
7/31/72	30,358	22,571	21,296	2,377	5,323	1,135	2,762	49,767	52,830	47,304	38,689	1,180,829
8/31/72	20,554	13,007	11,582	1,461	-	669	2,552	51,723	51,617	51,740	36,584	1,085,209
9/30/72	14,132	20,099	22,175	1,298	9,484	487	2,096	29,660	34,729	41,610	42,785	1,040,671
10/31/72	15,002	66,711	82,030	1,918	95,665	6,949	9,064	15,372	129,655	274,885	315,139	1,143,353
11/30/72	23,963	29,704	35,126	479	40,561	2,099	3,002	14,876	65,591	52,063	76,106	1,183,265
12/31/72	17,727	19,998	21,293	125	25,305	1,478	2,136	15,372	50,158	40,385	50,849	1,210,080
1/31/73	3,951	16,510	19,204	125	21,936	1,215	1,987	15,372	40,484	37,570	50,539	1,222,438
2/28/73	4,430	13,667	16,216	113	18,799	1,408	2,670	13,884	38,625	64,129	90,762	1,242,744
3/31/73	37,420	20,840	39,821	3,460	48,591	3,043	4,965	169,091	242,821	282,509	313,386	1,189,401
4/30/73	57,195	45,992	76,047	6,455	88,019	16,457	18,300	193,388	276,508	380,033	415,150	1,210,071
5/31/73	106,001	219,640	265,309	11,686	265,803	24,903	22,455	307,438	551,906	655,198	645,254	1,306,765
6/30/73	90,556	283,939	293,884	22,368	299,242	15,030	13,451	212,421	481,567	506,441	486,588	1,424,882
7/31/73	48,320	143,950	157,629	12,514	150,918	2,617	2,502	15,372	130,697	141,430	140,805	1,482,519
8/31/73	31,461	40,158	40,618	6,604	29,231	1,385	2,680	37,387	45,198	35,579	32,281	1,445,283
9/30/73	33,399	23,471	28,295	2,530	24,391	938	2,004	33,914	45,149	54,112	58,362	1,440,505
10/31/73	18,531	15,046	16,475	1,510	12,247	557	1,410	39,002	41,131	40,498	43,343	1,435,164
11/30/73	12,094	10,928	13,121	122	12,222	412	1,235	26,995	31,240	36,139	39,787	1,438,987
12/31/73	10,859	9,926	12,421	126	13,235	785	1,099	30,298	40,152	45,271	48,948	1,436,832
1/31/74	2,015	9,007	11,390	126	14,249	645	1,803	15,799	34,395	37,999	43,246	1,442,257
2/28/74	2,249	7,792	8,826	114	11,229	666	1,176	14,370	32,484	34,471	38,213	1,443,891
3/31/74	11,406	10,824	15,176	1,380	17,442	918	1,044	15,372	36,924	42,974	49,885	1,489,790
4/30/74	6,232	20,855	23,312	806	14,851	952	1,136	32,082	37,354	52,188	31,367	1,496,988
5/31/74	18,271	109,842	101,253	15,731	97,061	3,435	1,744	15,372	93,182	88,198	77,593	1,536,956
6/30/74	29,957	73,802	67,685	16,863	65,045	2,071	3,012	14,876	67,796	78,707	59,321	1,497,539
7/31/74	21,488	31,496	32,561	4,970	17,500	613	2,574	27,967	40,393	40,357	32,281	1,413,784
8/31/74	22,243	14,783	13,872	1,792	2,316	832	2,646	54,358	45,329	47,927	34,939	1,319,808
9/30/74	4,890	9,058	8,589	162	-	570	2,098	53,640	47,618	36,775	32,863	1,233,415
10/31/74	5,462	12,378	15,652	128	15,971	294	2,471	15,372	37,432	50,991	56,099	1,233,072
11/30/74	3,777	12,353	14,357	122	16,327	326	1,043	14,876	37,380	44,580	54,848	1,235,031
12/31/74	2,133	9,455	10,622	125	11,945	296	708	15,372	34,404	36,733	39,624	1,227,969
1/31/75	1,448	8,983	10,904	125	12,649	258	714	15,372	38,670	41,534	41,049	1,221,312
2/28/75	2,043	6,987	8,643	114	10,591	564	1,299	13,884	32,245	32,795	35,176	1,219,354
3/31/75	22,487	12,849	24,199	1,111	36,086	2,392	3,271	15,372	69,105	76,109	89,970	1,271,858
4/30/75	40,160	32,902	54,927	3,502	54,736	9,226	8,856	163,636	212,841	224,875	234,207	1,291,756
5/31/75	47,014	159,315	176,011	2,820	171,613	15,497	10,936	271,736	421,485	432,708	425,184	1,264,944

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at	Animas R.	Animas R.	Florida R.	Animas R.	La Plata	La Plata R.	San Juan R.	San Juan R.	San Juan R.	San Juan R.	Navajo Reservoir Content
	Navajo Dam	at Durango	Above Florida	at Animas	at San Juan	R. at State line	at San Juan	at Archuleta	Farmington	at Four Corners	at Bluff	AF
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	
2-105	6/30/75	86,546	277,168	276,699	9,243	269,073	9,649	6,944	211,240	448,142	456,111	440,215
	7/31/75	52,857	181,259	187,465	11,777	177,184	3,605	2,515	15,372	174,659	208,321	213,057
	8/31/75	24,750	36,417	37,603	6,911	24,045	1,779	2,687	21,263	32,478	39,033	36,266
	9/30/75	28,002	18,767	19,863	2,302	11,990	390	1,995	19,822	31,240	37,539	41,180
	10/31/75	13,402	10,641	10,760	1,340	7,164	588	1,429	30,198	32,281	33,862	35,340
	11/30/75	12,990	9,934	11,782	122	12,489	202	986	20,613	33,518	32,712	35,474
	12/31/75	10,277	10,040	11,338	125	12,488	276	559	19,701	39,382	34,532	38,251
	1/31/76	2,664	8,559	9,796	126	10,225	268	941	19,704	34,596	38,296	37,586
	2/29/76	6,311	9,099	11,826	118	13,542	609	1,041	17,578	36,486	32,007	40,629
	3/31/76	12,885	13,101	16,176	2,614	18,780	634	711	17,048	37,199	34,651	37,831
	4/30/76	19,952	33,195	37,231	3,807	31,885	1,993	1,197	26,214	46,880	43,759	31,369
	5/31/76	16,296	127,257	126,831	4,279	116,090	4,319	1,735	74,876	173,365	162,706	153,436
	6/30/76	31,495	133,775	132,079	11,123	127,703	2,642	2,768	140,331	247,185	258,144	240,749
	7/31/76	30,016	41,811	44,885	8,466	34,561	939	3,707	19,607	48,271	38,413	32,281
	8/31/76	16,577	22,159	21,854	6,230	10,439	603	2,640	34,818	32,281	44,089	36,625
	9/30/76	21,786	18,600	18,213	2,402	10,288	71	1,984	33,950	36,437	41,270	44,332
	10/31/76	27,845	18,545	20,854	1,050	19,203	466	1,388	18,674	32,876	33,661	35,508
	11/30/76	12,141	9,767	10,235	122	12,845	232	959	25,402	31,240	40,712	41,826
	12/31/76	7,716	8,977	11,286	125	11,727	96	453	25,797	44,441	35,424	34,532
	1/31/77	357	7,459	11,221	123	10,874	66	578	26,499	45,511	41,883	34,532
	2/28/77	996	6,767	8,013	111	9,113	40	587	19,778	35,612	37,289	36,863
	3/31/77	5,034	7,029	6,888	456	7,250	139	710	29,764	34,834	44,752	39,337
	4/30/77	4,366	13,600	15,876	1,511	1,175	620	1,251	47,443	40,510	69,723	44,293
	5/31/77	14,206	29,897	24,516	10,031	12,503	924	1,670	47,693	51,226	52,451	40,644
	6/30/77	29,679	41,168	40,523	7,807	27,932	1,522	2,953	29,683	52,055	57,489	37,220
	7/31/77	15,333	21,009	26,293	666	1,362	1,229	2,536	27,555	34,151	54,579	45,183
	8/31/77	15,063	25,078	27,507	823	13,087	632	3,012	22,432	43,907	61,020	62,984
	9/30/77	7,661	19,122	18,854	430	4,205	582	2,053	45,765	42,826	44,118	45,082
	10/31/77	7,564	13,199	14,876	605	7,884	301	1,436	37,447	41,894	40,616	41,427
	11/30/77	2,361	9,911	10,556	121	12,234	64	954	21,811	33,655	41,311	40,524
	12/31/77	2,020	9,055	9,199	127	10,691	56	294	16,552	33,487	37,094	35,801
	1/31/78	1,826	8,203	8,788	125	10,029	181	291	16,826	39,252	39,479	42,587
	2/28/78	1,829	6,993	8,144	113	8,123	172	552	13,884	36,514	39,240	42,738
	3/31/78	14,872	12,780	23,566	522	28,054	768	1,631	15,372	59,361	70,503	77,395
	4/30/78	12,834	56,792	69,979	1,165	72,358	5,433	2,905	14,876	71,528	95,080	84,257

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line AFM	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
5/31/78	11,192	125,018	131,179	1,449	125,029	5,158	3,350	15,372	146,580	146,117	139,179	1,042,815
6/30/78	25,918	211,064	213,765	6,680	206,290	3,854	2,744	14,876	208,605	220,239	183,533	1,118,425
7/31/78	31,418	62,961	67,181	8,460	53,641	2,368	2,720	15,372	60,240	61,187	47,920	1,061,723
8/31/78	24,616	17,258	15,329	6,544	1,248	850	2,631	58,981	48,681	41,819	32,281	954,745
9/30/78	16,558	10,564	9,472	1,083	34	431	2,061	47,711	46,723	39,953	31,240	894,195
10/31/78	6,411	10,010	10,505	409	7,086	168	1,350	29,909	46,534	39,654	33,952	869,057
11/30/78	5,728	11,073	16,254	341	19,821	118	1,178	14,876	44,961	51,748	60,744	875,287
12/31/78	2,822	9,867	13,154	125	15,370	121	298	15,372	40,769	49,150	58,605	875,184
1/31/79	3,109	9,867	11,924	125	14,925	156	6,286	15,372	43,408	64,763	75,292	874,197
2/28/79	2,908	8,768	12,246	113	14,721	264	5,335	13,884	49,325	95,175	110,884	876,345
3/31/79	41,456	16,178	33,584	2,769	49,730	2,892	6,586	138,347	196,343	234,148	260,324	865,074
4/30/79	80,250	77,655	122,124	5,834	146,293	20,504	22,448	163,636	284,833	346,411	445,146	1,038,995
5/31/79	115,232	225,333	254,688	9,003	257,501	21,530	19,789	307,438	540,578	628,998	630,700	1,153,129
6/30/79	85,212	281,567	305,318	20,129	287,857	8,772	8,566	211,748	469,033	504,799	492,551	1,318,227
7/31/79	40,719	125,287	129,481	7,729	126,086	3,803	2,617	15,372	112,740	120,406	105,742	1,432,040
8/31/79	35,698	37,237	33,372	11,012	27,021	1,595	2,525	19,728	32,281	51,737	36,263	1,419,886
9/30/79	20,646	15,244	13,451	8,498	19,316	967	2,230	37,839	40,103	38,869	38,233	1,361,764
10/31/79	17,785	11,547	9,810	3,550	8,919	485	1,387	26,796	32,492	32,988	38,586	1,341,013
11/30/79	12,644	9,504	12,557	121	13,621	365	958	24,399	32,103	37,699	42,243	1,337,076
12/31/79	10,566	9,842	13,056	125	13,912	483	1,071	15,415	34,116	34,532	37,369	1,347,793
1/31/80	3,233	9,830	11,090	125	14,282	739	1,582	15,372	39,230	42,821	62,660	1,354,108
2/29/80	9,642	9,353	15,797	137	19,055	1,423	3,000	14,380	43,937	52,231	104,854	1,380,396
3/31/80	23,950	11,982	25,620	2,490	31,364	2,563	3,201	15,372	38,780	61,441	86,252	1,432,082
4/30/80	61,289	57,169	88,564	6,533	96,361	21,451	24,894	252,893	341,259	383,550	439,775	1,417,481
5/31/80	63,463	162,888	190,789	8,657	182,337	22,601	23,048	295,537	465,940	518,817	543,213	1,384,701
6/30/80	84,729	305,366	308,936	16,072	306,063	13,017	12,153	211,752	512,414	537,716	501,580	1,461,107
7/31/80	30,475	85,090	86,642	10,452	76,268	3,380	2,710	15,372	85,183	87,875	89,036	1,433,778
8/31/80	21,944	26,797	25,666	8,905	10,292	1,475	2,661	47,314	38,906	38,070	32,281	1,356,320
9/30/80	39,746	25,914	26,681	2,673	18,245	1,235	1,998	23,645	31,240	32,605	41,212	1,369,773
10/31/80	18,797	13,222	13,911	753	9,775	723	1,373	39,492	41,629	41,549	43,626	1,355,683
11/30/80	13,958	10,288	12,966	123	13,899	509	1,641	23,356	31,240	32,933	40,848	1,363,901
12/31/80	11,502	10,024	12,148	127	13,969	770	1,200	21,021	32,281	35,839	34,946	1,367,637
1/31/81	2,256	8,487	9,203	127	12,139	708	850	23,621	32,281	39,264	38,120	1,359,803
2/28/81	1,731	5,800	7,352	115	8,803	496	837	24,333	29,157	32,371	36,365	1,348,684
3/31/81	8,276	6,822	9,773	1,368	12,279	468	714	23,479	32,281	42,872	43,075	1,346,310

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
4/30/81	8,008	30,136	35,051	1,461	21,574	1,587	1,220	25,234	38,033	42,057	36,739	1,355,304
5/31/81	10,349	73,302	70,355	6,416	51,123	3,191	1,668	15,372	55,672	57,163	49,067	1,374,364
6/30/81	28,991	104,659	123,510	7,004	88,605	2,818	2,944	14,876	91,763	91,936	81,805	1,397,032
7/31/81	19,140	45,766	46,495	6,238	27,722	1,890	2,500	15,372	38,695	50,738	58,444	1,336,389
8/31/81	24,022	21,388	22,267	7,309	10,478	618	2,742	41,030	41,590	49,122	41,627	1,263,190
9/30/81	15,778	22,005	20,447	6,042	10,682	620	2,213	21,178	31,240	36,087	49,251	1,233,591
10/31/81	10,350	31,506	32,202	161	32,012	498	1,898	15,372	57,977	58,476	63,695	1,260,219
11/30/81	18,404	16,492	18,288	123	18,901	397	965	21,821	31,240	40,789	47,172	1,278,067
12/31/81	11,834	11,987	12,770	127	15,374	632	750	21,476	33,452	46,045	46,295	1,278,353
1/31/82	2,026	10,290	11,675	127	13,948	453	463	20,179	35,285	42,620	44,457	1,271,590
2/28/82	5,317	9,306	11,130	115	14,579	541	1,093	13,884	32,279	44,450	49,017	1,275,054
3/31/82	19,502	13,630	17,999	660	25,689	2,025	1,987	15,372	43,563	53,594	57,449	1,345,251
4/30/82	21,661	45,427	47,848	829	46,856	4,248	2,454	14,876	57,494	64,093	58,431	1,461,365
5/31/82	21,404	131,033	132,277	3,117	125,521	5,417	2,502	112,562	219,029	227,870	203,203	1,513,627
6/30/82	36,002	190,869	185,781	12,972	178,575	5,150	2,923	188,891	355,364	344,591	331,639	1,448,098
7/31/82	28,358	95,960	94,205	12,023	84,939	2,685	2,682	29,836	114,410	105,814	91,620	1,418,339
8/31/82	24,655	66,586	68,338	4,232	50,156	327	2,666	15,372	74,797	88,044	123,447	1,435,457
9/30/82	56,401	59,496	64,444	1,544	53,111	117	2,390	14,876	71,993	67,357	83,887	1,528,880
10/31/82	30,141	28,053	31,166	695	24,066	471	1,428	15,372	40,987	37,268	43,445	1,578,669
11/30/82	17,833	15,777	16,531	123	21,475	510	1,403	14,876	38,113	39,448	52,410	1,605,333
12/31/82	15,287	13,545	14,464	127	21,604	903	1,900	22,522	38,831	34,532	52,405	1,628,402
1/31/83	2,962	10,320	12,198	127	17,858	871	1,288	16,247	32,281	37,121	45,771	1,641,300
2/28/83	5,430	9,942	12,897	115	16,449	1,409	2,987	13,884	34,303	44,630	50,032	1,660,498
3/31/83	18,327	19,265	28,671	1,913	35,972	4,078	5,290	169,091	203,541	217,716	279,524	1,591,052
4/30/83	28,268	36,058	46,747	3,893	53,550	11,395	13,374	193,388	240,554	271,772	329,125	1,543,358
5/31/83	27,359	143,756	162,840	4,950	137,969	15,948	13,546	307,438	427,543	472,105	515,452	1,415,991
6/30/83	64,419	247,549	258,732	16,852	241,159	8,628	5,652	212,531	442,507	473,524	476,330	1,449,147
7/31/83	35,355	141,913	141,901	10,036	132,466	4,221	2,625	17,331	139,294	150,279	175,454	1,480,999
8/31/83	33,122	54,039	54,589	8,379	43,557	1,429	2,590	15,372	58,351	52,697	85,464	1,480,315
9/30/83	23,602	21,213	17,461	8,029	12,408	988	2,094	42,024	35,820	35,989	36,568	1,437,575
10/31/83	31,246	26,856	29,686	1,501	33,205	510	1,443	15,372	47,483	47,477	60,380	1,488,623
11/30/83	15,670	13,959	16,790	129	18,622	1,016	2,231	18,735	33,948	32,705	41,020	1,504,597
12/31/83	14,630	13,536	15,206	127	19,596	1,434	2,277	15,372	38,729	39,173	48,553	1,527,675
1/31/84	2,763	12,499	14,274	127	16,833	1,141	1,925	19,321	34,973	34,532	34,534	1,532,520
2/29/84	3,016	11,259	12,435	119	14,647	1,166	2,189	20,198	38,982	42,933	41,370	1,537,830

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
3/31/84	21,492	18,848	25,264	2,198	30,368	4,288	5,115	15,372	49,980	56,361	66,443	1,621,076
4/30/84	27,720	42,417	45,528	3,787	50,101	7,416	6,011	193,388	238,742	269,715	276,323	1,548,176
5/31/84	22,422	233,534	231,310	10,230	216,920	6,605	3,073	200,331	392,787	455,446	408,999	1,583,276
6/30/84	53,730	185,399	180,525	13,696	169,257	3,942	2,897	212,510	366,881	435,468	381,875	1,478,623
7/31/84	30,655	102,927	99,214	14,640	89,114	1,771	2,654	15,372	99,108	112,404	98,752	1,436,249
8/31/84	35,496	61,911	59,503	7,557	48,470	487	2,674	15,372	68,665	79,510	87,811	1,432,305
9/30/84	34,256	33,430	37,417	3,911	27,364	908	2,091	24,246	36,467	43,889	60,591	1,434,556
10/31/84	38,916	33,973	38,865	211	37,306	651	1,899	15,372	48,927	53,174	64,470	1,505,495
11/30/84	20,437	21,375	24,385	128	26,008	682	2,140	14,876	42,506	44,540	43,699	1,537,896
12/31/84	19,271	16,497	20,511	127	23,562	1,321	2,270	15,372	42,389	47,923	53,727	1,576,065
1/31/85	4,130	13,168	15,839	127	18,899	1,085	2,566	20,613	40,366	45,288	55,636	1,584,307
2/28/85	5,262	11,818	14,855	115	16,299	960	2,114	13,884	40,216	44,332	61,785	1,608,382
3/31/85	30,443	22,159	37,323	3,358	41,190	5,137	6,087	292,066	334,805	320,995	352,560	1,493,486
4/30/85	48,040	105,664	114,921	5,607	122,139	14,652	15,923	297,521	401,393	436,495	458,228	1,508,413
5/31/85	76,548	198,539	199,917	6,702	199,767	8,792	8,309	307,438	475,525	508,568	492,003	1,511,391
6/30/85	76,801	258,161	258,562	21,368	260,427	4,384	2,839	220,798	467,072	464,004	439,445	1,611,006
7/31/85	30,934	97,715	93,962	14,346	83,072	2,517	2,730	44,640	123,561	127,476	130,270	1,601,753
8/31/85	29,584	34,049	31,793	12,947	25,869	1,318	2,724	31,288	39,240	41,766	38,317	1,568,441
9/30/85	36,610	41,488	39,226	4,638	36,668	237	2,810	19,641	64,977	59,638	65,904	1,595,399
10/31/85	33,792	36,862	38,459	827	39,338	1,269	2,064	16,054	53,246	59,181	63,872	1,665,603
11/30/85	21,861	23,060	25,437	123	28,090	1,536	2,674	28,306	58,330	58,065	73,970	1,690,213
12/31/85	15,544	17,857	20,440	127	22,454	1,379	2,155	42,433	71,198	72,458	87,605	1,688,051
1/31/86	2,372	15,542	17,535	127	20,565	1,123	1,738	15,372	45,910	44,551	52,978	1,697,569
2/28/86	4,299	14,706	18,767	115	21,207	1,594	2,317	39,722	69,955	75,034	93,264	1,701,299
3/31/86	18,220	31,411	35,774	1,669	38,446	4,932	5,008	230,579	270,404	282,074	300,413	1,576,649
4/30/86	39,821	66,540	84,187	5,391	71,185	8,067	11,903	297,521	362,415	393,421	449,309	1,490,450
5/31/86	58,568	172,756	178,590	5,462	159,033	5,934	4,127	307,438	450,552	461,301	470,899	1,387,047
6/30/86	58,737	222,419	204,968	26,740	223,739	3,736	5,802	214,449	440,715	421,765	414,391	1,436,129
7/31/86	48,082	118,659	110,130	15,618	125,787	1,145	8,094	54,842	209,254	232,927	224,219	1,518,656
8/31/86	36,130	35,937	38,978	4,294	19,648	335	3,384	46,984	61,967	68,983	62,389	1,476,084
9/30/86	50,162	46,084	51,929	1,339	44,497	1,378	4,543	35,502	75,863	92,419	110,773	1,516,243
10/31/86	48,749	52,636	59,653	489	64,385	4,230	8,369	37,255	103,977	107,097	128,801	1,612,883
11/30/86	39,786	37,385	48,410	1,095	54,767	4,706	9,216	50,354	109,219	116,081	158,300	1,698,341
12/31/86	20,420	22,535	29,281	289	33,772	3,196	4,675	71,442	104,069	115,191	134,650	1,686,302
1/31/87	3,985	15,394	19,570	127	23,044	1,740	2,937	15,372	37,377	50,818	53,493	1,698,547

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata R. at State line	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
2/28/87	8,586	13,347	23,063	508	24,473	2,603	4,670	49,628	85,120	104,422	122,561	1,701,300
3/31/87	29,456	23,918	38,185	4,796	48,423	6,372	10,165	230,579	283,911	296,657	345,742	1,593,349
4/30/87	48,998	84,132	102,784	9,028	115,043	20,246	24,412	282,645	384,127	428,635	442,912	1,538,758
5/31/87	57,719	191,989	193,049	13,133	203,180	8,920	7,746	295,537	498,356	536,841	530,452	1,490,871
6/30/87	80,175	231,031	210,957	29,640	241,970	5,205	2,903	212,394	450,845	426,129	447,904	1,549,340
7/31/87	34,567	90,344	85,927	14,116	78,795	2,653	2,572	15,372	105,067	94,258	97,524	1,539,481
8/31/87	38,100	43,477	41,704	7,558	31,734	1,254	2,476	15,372	45,646	43,230	52,491	1,528,750
9/30/87	23,089	20,294	21,691	3,788	9,802	1,140	2,150	32,537	37,436	32,980	31,881	1,493,436
10/31/87	19,366	16,078	17,751	805	15,331	800	1,396	20,821	34,336	32,975	45,133	1,493,961
11/30/87	21,444	18,606	26,452	609	28,502	1,984	4,280	14,876	42,913	55,824	107,949	1,526,512
12/31/87	12,432	11,897	14,892	127	19,055	1,376	2,269	15,372	39,908	45,626	55,257	1,535,701
1/31/88	2,205	10,246	16,372	154	16,397	1,263	2,583	15,372	36,888	43,391	50,490	1,533,170
2/29/88	4,075	10,385	15,233	119	16,457	1,618	3,581	14,380	35,813	48,636	64,423	1,538,073
3/31/88	17,777	16,490	24,487	2,699	27,325	2,705	3,498	15,372	41,298	76,299	67,634	1,588,552
4/30/88	20,546	40,162	44,772	3,287	43,939	2,513	1,501	20,826	55,142	72,170	92,984	1,653,429
5/31/88	16,237	99,077	95,779	8,962	88,724	4,295	1,690	200,331	281,314	282,737	278,439	1,526,755
6/30/88	26,540	126,414	121,609	13,175	114,822	3,753	2,831	211,240	322,263	325,271	320,275	1,354,737
7/31/88	29,648	38,386	41,530	8,624	33,730	2,352	2,870	24,415	45,938	45,306	32,281	1,295,322
8/31/88	20,015	33,720	33,024	6,390	28,424	930	2,483	15,372	69,415	91,108	70,269	1,287,811
9/30/88	24,963	33,896	35,008	3,281	23,402	1,525	2,107	14,876	46,170	58,645	59,935	1,275,712
10/31/88	19,697	18,992	24,352	2,123	19,203	797	1,458	20,122	34,525	33,927	40,237	1,273,714
11/30/88	15,313	12,205	15,698	131	20,019	797	1,236	20,875	32,723	36,474	51,253	1,278,911
12/31/88	12,635	10,535	14,367	127	18,763	739	1,918	20,284	32,281	36,253	53,287	1,280,822
1/31/89	2,961	9,245	15,251	245	16,923	916	1,502	16,760	32,281	35,826	45,816	1,278,975
2/28/89	4,613	9,466	13,682	115	15,480	1,175	2,278	13,884	30,455	32,716	51,399	1,287,938
3/31/89	21,243	34,176	43,446	555	32,863	4,004	4,925	15,372	50,915	72,482	69,793	1,388,798
4/30/89	10,354	76,855	79,799	3,158	64,287	3,026	1,351	14,876	72,546	89,405	75,602	1,493,231
5/31/89	21,006	109,864	97,409	19,825	93,281	3,446	1,827	46,612	121,636	126,212	119,277	1,519,140
6/30/89	29,313	78,725	72,215	7,208	58,980	2,513	2,976	112,066	155,976	149,231	145,051	1,421,869
7/31/89	30,536	33,478	28,482	2,096	9,386	1,514	2,562	41,236	45,086	40,980	32,281	1,339,192
8/31/89	25,535	27,875	27,581	2,358	9,873	1,203	2,527	37,556	40,855	43,622	50,638	1,282,949
9/30/89	14,913	11,825	10,628	1,260	2,918	759	2,088	48,883	47,536	37,506	33,062	1,214,724
10/31/89	6,682	14,816	17,137	661	13,332	260	1,339	28,147	39,553	35,542	42,700	1,201,337
11/30/89	1,216	8,551	10,983	123	12,777	124	954	17,830	31,240	35,783	35,207	1,190,396
12/31/89	1,337	6,062	9,834	126	12,798	125	310	18,116	33,316	35,258	39,296	1,177,281

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
1/31/90	1,460	5,656	9,668	127	11,870	178	329	18,465	32,281	35,546	35,679	1,165,762
2/28/90	1,959	5,013	7,532	115	9,194	297	594	18,674	31,601	30,884	36,833	1,156,167
3/31/90	10,072	7,937	10,304	129	11,804	650	740	22,206	32,728	34,056	40,694	1,163,230
4/30/90	13,317	22,391	25,605	735	14,085	1,125	1,232	27,931	31,240	32,722	32,438	1,194,246
5/31/90	13,388	96,784	96,722	4,428	80,982	3,687	1,597	15,372	90,063	95,463	82,049	1,272,328
6/30/90	28,055	130,184	129,856	10,464	114,510	3,428	3,006	14,876	124,848	123,667	92,723	1,319,793
7/31/90	22,475	42,750	44,191	5,788	26,919	1,791	2,614	20,668	39,223	39,194	35,354	1,274,147
8/31/90	20,215	23,615	20,435	4,448	6,911	127	3,550	37,655	32,281	39,427	39,441	1,220,737
9/30/90	29,750	23,735	20,989	2,180	12,014	616	2,096	27,922	33,609	39,132	44,597	1,200,753
10/31/90	35,296	36,911	40,804	1,061	42,005	738	1,395	15,372	57,760	67,053	77,092	1,250,211
11/30/90	20,925	19,835	23,235	216	27,750	299	969	14,876	42,685	49,604	53,343	1,280,060
12/31/90	12,704	11,700	16,007	236	19,369	146	543	15,372	38,198	49,241	45,730	1,290,289
1/31/91	2,480	9,702	12,853	127	15,740	132	586	15,372	38,566	53,206	46,698	1,291,890
2/28/91	4,942	9,639	11,821	115	13,876	663	2,327	13,884	42,161	55,600	70,733	1,301,033
3/31/91	8,626	12,863	17,096	156	20,420	922	1,893	15,372	38,430	40,495	52,284	1,339,888
4/30/91	17,360	48,600	53,161	793	44,062	2,841	1,975	14,876	55,304	61,585	54,571	1,465,234
5/31/91	13,829	136,186	124,444	16,807	116,518	4,636	1,677	46,612	163,421	171,619	139,733	1,530,790
6/30/91	28,547	130,472	122,630	14,889	114,912	3,772	2,816	114,060	235,889	236,484	219,597	1,481,388
7/31/91	29,665	44,279	39,304	4,255	24,821	2,342	2,739	39,554	42,174	45,166	32,281	1,405,338
8/31/91	21,300	22,836	22,794	2,154	1,621	886	2,555	58,729	43,379	42,884	37,516	1,329,788
9/30/91	24,356	43,099	48,247	2,295	31,582	1,477	2,072	14,876	47,651	50,615	47,624	1,355,235
10/31/91	14,664	13,159	14,276	1,425	11,761	516	1,404	36,227	46,549	40,209	33,701	1,334,215
11/30/91	18,885	13,126	18,384	368	23,323	388	1,592	14,876	42,314	58,078	66,361	1,358,934
12/31/91	12,827	11,078	16,998	295	19,928	467	834	15,372	36,243	48,504	55,419	1,379,532
1/31/92	1,583	8,266	13,901	252	15,522	369	819	16,184	32,281	36,720	37,712	1,380,136
2/29/92	4,546	8,978	14,046	122	17,459	695	1,464	14,380	39,502	53,410	66,133	1,396,389
3/31/92	15,052	14,415	24,312	628	26,413	2,425	1,622	15,372	41,914	45,445	46,992	1,463,306
4/30/92	17,964	61,443	84,366	2,708	63,182	6,596	4,630	20,826	82,995	115,676	84,620	1,593,625
5/31/92	15,837	159,606	178,444	2,223	142,823	8,217	7,168	200,331	337,728	376,354	348,024	1,561,423
6/30/92	42,481	123,184	139,059	5,958	111,140	3,641	2,962	211,240	310,895	319,811	295,132	1,432,964
7/31/92	27,952	54,507	52,978	10,341	39,851	2,459	2,563	15,372	51,227	59,127	60,898	1,399,816
8/31/92	22,519	32,812	31,955	7,203	18,359	1,435	2,558	28,510	40,022	35,892	32,281	1,364,621
9/30/92	27,901	22,024	21,711	3,851	13,180	563	1,935	28,894	31,240	38,666	47,846	1,352,812
10/31/92	16,121	13,680	15,166	1,211	11,428	364	1,357	28,518	35,606	37,180	40,271	1,341,135
11/30/92	14,250	12,622	13,887	123	17,388	316	1,280	14,876	31,384	38,293	45,174	1,349,937

Model Output - Refined Alternative 6, Adjusted for Post-Processed Operation of La Plata Drainage

Date	Pine R. at Navajo Dam	Animas R. at Durango	Animas R. Above Florida	Florida R. at Animas	Animas R. at San Juan	La Plata line R. at State	La Plata R. at San Juan	San Juan R. at Archuleta	San Juan R. at Farmington	San Juan R. at Four Corners	San Juan R. at Bluff	Navajo Reservoir Content
	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AFM	AF
12/31/92	11,471	10,261	14,479	128	17,497	343	1,745	15,372	33,386	41,540	44,743	1,360,160
1/31/93	2,586	10,646	13,720	126	15,888	782	4,567	15,372	47,286	65,623	108,793	1,368,544
2/28/93	4,107	9,831	15,007	118	16,841	1,136	3,281	13,884	55,841	50,462	92,607	1,384,542
3/31/93	42,583	27,934	59,220	3,061	60,967	7,859	10,716	15,372	83,116	91,640	109,237	1,543,638
4/30/93	44,595	69,494	93,380	4,148	82,121	16,493	19,399	193,388	263,186	295,186	302,020	1,564,080
5/31/93	36,671	231,325	243,690	3,960	231,059	14,694	16,036	295,537	501,039	555,485	522,158	1,534,173
6/30/93	81,141	234,089	233,941	15,805	241,356	5,207	4,619	213,486	452,090	466,968	427,999	1,538,418
7/31/93	29,909	83,955	86,286	8,719	71,127	3,345	2,667	15,372	89,870	79,336	74,167	1,503,552
8/31/93	22,353	37,323	38,552	2,680	24,525	1,523	2,419	27,852	45,370	52,985	37,810	1,495,213
9/30/93	37,762	27,551	37,374	3,125	35,118	1,107	2,029	14,876	46,316	56,009	54,180	1,521,188
Average Annual	228,266	565,116	600,000	17,017	550,242	20,450	26,461	577,886	1,104,552	1,214,104	1,265,200	1,318,080